

Supplementary Data 1. Search strategy**KQ 1. Is early screening effective in improving the prognosis in patients with suspected oropharyngeal dysphagia?****1) PubMed**

No.	Search Strategies	Search Results
#1	“Deglutition Disorders”[Mesh]	53,825
#2	“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW]	40,559
#3	“Deglutition”[Mesh]	10,046
#4	“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]	40,890
#5	((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]))	86,162
#6	“Mass Screening”[Mesh]	131,967
#7	“Mass Screening”[TW] OR “Mass Screenings”[TW] OR “Screening, Mass”[TW] OR “Screenings, Mass”[TW] OR “Screening”[TW] OR “Screenings”[TW] OR “multiple screening”[TW] OR “prescreening”[TW] OR “project, screening”[TW] OR “screening method”[TW] OR “screening procedure”[TW] OR “screening program”[TW] OR “screening programme”[TW] OR “screening project”[TW] OR “screening test”[TW] OR “screening tool”[TW] OR “screening tools”[TW] OR “screening protocol”[TW] OR “bedside assessment”[TW] OR “bedside screening test”[TW] OR “clinical evaluation”[TW] OR “bedside dysphagia screenings”[TW] OR “triage”[TW]	711,773
#8	“Early Diagnosis”[Mesh]	54,960
#9	“Early Diagnosis”[TW] OR “Diagnosis, Early”[TW] OR “Early Detection of Disease”[TW] OR “Disease Early Detection”[TW] OR “early screening”[TW] OR “Early Dysphagia Screening”[TW]	109,427
#10	((“Mass Screening”[Mesh]) OR (“Mass Screening”[TW] OR “Mass Screenings”[TW] OR “Screening, Mass”[TW] OR “Screenings, Mass”[TW] OR “Screening”[TW] OR “Screenings”[TW] OR “multiple screening”[TW] OR “prescreening”[TW] OR “project, screening”[TW] OR “screening method”[TW] OR “screening procedure”[TW] OR “screening program”[TW] OR “screening programme”[TW] OR “screening project”[TW] OR “screening test”[TW] OR “screening tool”[TW] OR “screening tools”[TW] OR “screening protocol”[TW] OR “bedside assessment”[TW] OR “bedside screening test”[TW] OR “clinical evaluation”[TW] OR “bedside dysphagia screenings”[TW] OR “triage”[TW])) OR ((“Early Diagnosis”[Mesh]) OR (“Early Diagnosis”[TW] OR “Diagnosis, Early”[TW] OR “Early Detection of Disease”[TW] OR “Disease Early Detection”[TW] OR “early screening”[TW] OR “Early Dysphagia Screening”[TW]))	820,927
#11	#5 AND #10	2,738

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	80,033
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	88,129
#3	"swallowing"/exp	23,747
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,275
#5	#1 OR #2 OR #3 OR #4	113,260
#6	"screening"/exp	723,551
#7	"Mass Screening":ti,ab,kw,de OR "Mass Screenings":ti,ab,kw,de OR "Screening, Mass":ti,ab,kw,de OR "Screenings, Mass":ti,ab,kw,de OR "Screening":ti,ab,kw,de OR "Screenings":ti,ab,kw,de OR "multiple screening":ti,ab,kw,de OR "prescreening":ti,ab,kw,de OR "project, screening":ti,ab,kw,de OR "screening method":ti,ab,kw,de OR "screening procedure":ti,ab,kw,de OR "screening program":ti,ab,kw,de OR "screening programme":ti,ab,kw,de OR "screening project":ti,ab,kw,de OR "screening test":ti,ab,kw,de OR "screening tool":ti,ab,kw,de OR "screening tools":ti,ab,kw,de OR "screening protocol":ti,ab,kw,de OR "bedside assessment":ti,ab,kw,de OR "bedside screening test":ti,ab,kw,de OR "clinical evaluation":ti,ab,kw,de OR "bedside dysphagia screenings":ti,ab,kw,de OR "triage":ti,ab,kw,de	1,363,756
#8	"early diagnosis"/exp	111,572
#9	"Early Diagnosis":ti,ab,kw,de OR "Diagnosis, Early":ti,ab,kw,de OR "Early Detection of Disease":ti,ab,kw,de OR "Disease Early Detection":ti,ab,kw,de OR "early screening":ti,ab,kw,de OR "Early Dysphagia Screening":ti,ab,kw,de	191,626
#10	#6 OR #7 OR #8 OR #9	1,525,703
#11	#5 AND #10	7,303

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh "Deglutition Disorders"]	2,929
#2	"Deglutition Disorders":ti,ab,kw OR "Deglutition Disorder":ti,ab,kw OR "Disorders, Deglutition":ti,ab,kw OR "Swallowing Disorders":ti,ab,kw OR "Swallowing Disorder":ti,ab,kw OR "Dysphagia":ti,ab,kw OR "Oropharyngeal Dysphagia":ti,ab,kw OR "Dysphagia, Oropharyngeal":ti,ab,kw OR "aphagopraxia":ti,ab,kw OR "deglutition difficulty":ti,ab,kw OR "deglutition disorder":ti,ab,kw OR "deglutition disorders":ti,ab,kw OR "difficult deglutition":ti,ab,kw OR "difficulty in swallowing":ti,ab,kw OR "difficulty swallowing":ti,ab,kw OR "dysphagias":ti,ab,kw OR "swallowing difficult":ti,ab,kw OR "swallowing difficultness":ti,ab,kw OR "swallowing difficulty":ti,ab,kw OR "swallowing disorder":ti,ab,kw OR "swallow impairment":ti,ab,kw OR "swallowing problem":ti,ab,kw OR "Swallowing Disturbance":ti,ab,kw OR "impaired swallowing":ti,ab,kw	4,896
#3	[mh "Deglutition"]	412
#4	"Deglutition":ti,ab,kw OR "Deglutitions":ti,ab,kw OR "Swallowing":ti,ab,kw OR "Swallowings":ti,ab,kw OR "oropharyngeal swallow":ti,ab,kw OR "reflex, deglutition":ti,ab,kw OR "swallow (deglutition)":ti,ab,kw OR "swallow (ingestion)":ti,ab,kw OR "swallow function":ti,ab,kw OR "swallow reflex":ti,ab,kw OR "swallowing reflex":ti,ab,kw	4,094
#5	{OR #1-#4}	8,655
#6	[mh "Mass Screening"]	3,839

#7	“Mass Screening”:ti,ab,kw OR “Mass Screenings”:ti,ab,kw OR “Screening, Mass”:ti,ab,kw OR “Screenings, Mass”:ti,ab,kw OR “Screening”:ti,ab,kw OR “Screenings”:ti,ab,kw OR “multiple screening”:ti,ab,kw OR “prescreening”:ti,ab,kw OR “project, screening”:ti,ab,kw OR “screening method”:ti,ab,kw OR “screening procedure”:ti,ab,kw OR “screening program”:ti,ab,kw OR “screening programme”:ti,ab,kw OR “screening project”:ti,ab,kw OR “screening test”:ti,ab,kw OR “screening tool”:ti,ab,kw OR “screening tools”:ti,ab,kw OR “screening protocol”:ti,ab,kw OR “bedside assessment”:ti,ab,kw OR “bedside screening test”:ti,ab,kw OR “clinical evaluation”:ti,ab,kw OR “bedside dysphagia screenings”:ti,ab,kw OR “triage”:ti,ab,kw	74,781
#8	[mh “Early Diagnosis”]	1,751
#9	“Early Diagnosis”:ti,ab,kw OR “Diagnosis, Early”:ti,ab,kw OR “Early Detection of Disease”:ti,ab,kw OR “Disease Early Detection”:ti,ab,kw OR “early screening”:ti,ab,kw OR “Early Dysphagia Screening”:ti,ab,kw	2,545
#10	{OR #6-#9}	77,015
#11	#5 AND #10	397

4) Kibase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Early Diagnosis] OR [ALL=Screening]) OR [ALL=Screenings]) OR [ALL=bedside assessment]) OR [ALL=evaluation]) OR [ALL=triage]))	330
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=연하검사] OR [ALL=연하 평가]) OR [ALL=선별검사] OR [ALL=스크리닝] OR [ALL=집단검진] OR [ALL=임상적 평가]) OR [ALL=환자 분류]))	35
#3	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴] AND (((([ALL=Early Diagnosis] OR [ALL=Screening]) OR [ALL=Screenings]) OR [ALL=bedside assessment]) OR [ALL=evaluation]) OR [ALL=triage]))	142
#4	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴] AND (((([ALL=연하검사] OR [ALL=연하 평가]) OR [ALL=선별검사] OR [ALL=스크리닝] OR [ALL=집단검진] OR [ALL=임상적 평가]) OR [ALL=환자 분류]))	39
#5	#1부터 #4까지의 Search Results 단순합계	546

KQ 2. Is the standardized screening test more effective for the diagnosis of dysphagia than a single screening test?**1) PubMed**

No.	Search Strategies	Search Results
#1	"Deglutition Disorders"[Mesh]	53,825
#2	"Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW]	40,562
#3	"Deglutition"[Mesh]	10,046
#4	"Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]	40,890
#5	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR ((("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]))))	86,165
#6	"Mass Screening"[Mesh]	131,967
#7	"Mass Screening"[TW] OR "Mass Screenings"[TW] OR "Screening, Mass"[TW] OR "Screenings, Mass"[TW] OR "Screening"[TW] OR "Screenings"[TW] OR "multiple screening"[TW] OR "prescreening"[TW] OR "project, screening"[TW] OR "screening method"[TW] OR "screening procedure"[TW] OR "screening program"[TW] OR "screening programme"[TW] OR "screening project"[TW] OR "screening test"[TW] OR "screening tool"[TW] OR "screening tools"[TW] OR "screening protocol"[TW] OR "bedside assessment"[TW] OR "bedside screening test"[TW] OR "clinical evaluation"[TW] OR "bedside dysphagia screenings"[TW] OR "triage"[TW]	711,818
#8	"Formal screening protocol"[TW] OR "Formal screening test"[TW] OR "Formal screening tool"[TW] OR "Formal screening tools"[TW] OR "Formal screening"[TW] OR "The Barnes-Jewish Hospital Stroke Dysphagia Screen"[TW] OR "BJH-SDS"[TW] OR "the Mann Assessment of Swallowing Ability"[TW] OR "MASA"[TW] OR "Toronto Bedside Swallowing Screening Test"[TW] OR "TOR-BSST"[TW] OR "The Burke dysphagia screening test"[TW] OR "The Gugging Swallowing Screen"[TW] OR "GUSS"[TW] OR "Volume-viscosity swallow test"[TW] OR "Standard swallowing assessment"[TW] OR "Guggen swallowing screen"[TW] OR "Clinical swallow assessment"[TW] OR "Sydney swallow Questionnaire"[TW] OR "EAT-10"[TW]	1,138
#9	"single screening protocol"[TW] OR "single screening test"[TW] OR "single screening tool"[TW] OR "single screening tools"[TW] OR "single screening"[TW] OR "3-oz water swallow test"[TW] OR "3-oz test"[TW] OR "Swallow Test"[TW] OR "Clinical swallow assessment"[TW] OR "CSA"[TW] OR "water swallow test"[TW] OR "Pulse oximetry (SpO2) monitoring"[TW] OR "Pulse oximetry SpO2 monitoring"[TW] OR "Pulse oximetry monitoring"[TW] OR "The modified Evan's blue dye test"[TW] OR "MEBDT"[TW] OR "Standardized Swallowing Assessment"[TW] OR "SSA"[TW] OR "Volume-Viscosity Swallow Test"[TW] OR "Bedside Evaluation of Dysphagia"[TW] OR "BED"[TW] OR "bedside swallowing evaluation"[TW] OR "BSE"[TW] OR "Water Swallow Test"[TW] OR "WST"[TW] OR "repetitive saliva swallowing test"[TW] OR "RSST"[TW] OR "bedside swallowing evaluation"[TW] OR "BSE"[TW]	159,562

#10	((“Mass Screening”[Mesh]) OR (“Mass Screening”[TW] OR “Mass Screenings”[TW] OR “Screening, Mass”[TW] OR “Screenings, Mass”[TW] OR “Screening”[TW] OR “Screenings”[TW] OR “multiple screening”[TW] OR “prescreening”[TW] OR “project, screening”[TW] OR “screening method”[TW] OR “screening procedure”[TW] OR “screening program”[TW] OR “screening programme”[TW] OR “screening project”[TW] OR “screening test”[TW] OR “screening tool”[TW] OR “screening tools”[TW] OR “screening protocol”[TW] OR “bedside assessment”[TW] OR “bedside screening test”[TW] OR “clinical evaluation”[TW] OR “bedside dysphagia screenings”[TW] OR “triage”[TW])) OR (“Formal screening protocol”[TW] OR “Formal screening test”[TW] OR “Formal screening tool”[TW] OR “Formal screening tools”[TW] OR “Formal screening”[TW] OR “The Barnes-Jewish Hospital Stroke Dysphagia Screen”[TW] OR “BJH-SDS”[TW] OR “the Mann Assessment of Swallowing Ability”[TW] OR “MASA”[TW] OR “Toronto Bedside Swallowing Screening Test”[TW] OR “TOR-BSST”[TW] OR “The Burke dysphagia screening test”[TW] OR “The Gugging Swallowing Screen”[TW] OR “GUSS”[TW] OR “Volume-viscosity swallow test”[TW] OR “Standard swallowing assessment”[TW] OR “Guggen swallowing screen”[TW] OR “Clinical swallow assessment”[TW] OR “Sydney swallow Questionnaire”[TW] OR “EAT-10”[TW]) OR (“single screening protocol”[TW] OR “single screening test”[TW] OR “single screening tool”[TW] OR “single screening tools”[TW] OR “single screening”[TW] OR “3-oz water swallow test”[TW] OR “3-oz test”[TW] OR “Swallow Test”[TW] OR “Clinical swallow assessment”[TW] OR “CSA”[TW] OR “water swallow test”[TW] OR “Pulse oximetry (SpO2) monitoring”[TW] OR “Pulse oximetry SpO2 monitoring”[TW] OR “Pulse oximetry monitoring”[TW] OR “The modified Evan’s blue dye test”[TW] OR “MEBDT”[TW] OR “Standardized Swallowing Assessment”[TW] OR “SSA”[TW] OR “Volume-Viscosity Swallow Test”[TW] OR “Bedside Evaluation of Dysphagia”[TW] OR “BED”[TW] OR “bedside swallowing evaluation”[TW] OR “BSE”[TW] OR “Water Swallow Test”[TW] OR “WST”[TW] OR “repetitive saliva swallowing test”[TW] OR “RSST”[TW] OR “bedside swallowing evaluation”[TW] OR “BSE”[TW])	876,932
#11	#5 AND #10	3,018

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	“dysphagia”/exp	80,033
#2	“Deglutition Disorders”:ti,ab,kw,de OR “Deglutition Disorder”:ti,ab,kw,de OR “Disorders, Deglutition”:ti,ab,kw,de OR “Swallowing Disorders”:ti,ab,kw,de OR “Swallowing Disorder”:ti,ab,kw,de OR “Dysphagia”:ti,ab,kw,de OR “Oropharyngeal Dysphagia”:ti,ab,kw,de OR “Dysphagia, Oropharyngeal”:ti,ab,kw,de OR “aphagopraxia”:ti,ab,kw,de OR “deglutition difficulty”:ti,ab,kw,de OR “deglutition disorder”:ti,ab,kw,de OR “deglutition disorders”:ti,ab,kw,de OR “difficult deglutition”:ti,ab,kw,de OR “difficulty in swallowing”:ti,ab,kw,de OR “difficulty swallowing”:ti,ab,kw,de OR “dysphagias”:ti,ab,kw,de OR “swallowing difficult”:ti,ab,kw,de OR “swallowing difficultness”:ti,ab,kw,de OR “swallowing difficulty”:ti,ab,kw,de OR “swallowing disorder”:ti,ab,kw,de OR “swallow impairment”:ti,ab,kw,de OR “swallowing problem”:ti,ab,kw,de OR “Swallowing Disturbance”:ti,ab,kw,de OR “impaired swallowing”:ti,ab,kw,de	88,129
#3	“swallowing”/exp	23,747
#4	“Deglutition”:ti,ab,kw,de OR “Deglutitions”:ti,ab,kw,de OR “Swallowing”:ti,ab,kw,de OR “Swallowings”:ti,ab,kw,de OR “oropharyngeal swallow”:ti,ab,kw,de OR “reflex, deglutition”:ti,ab,kw,de OR “swallow (deglutition)":ti,ab,kw,de OR “swallow (ingestion)":ti,ab,kw,de OR “swallow function”:ti,ab,kw,de OR “swallow reflex”:ti,ab,kw,de OR “swallowing reflex”:ti,ab,kw,de	43,275
#5	#1 OR #2 OR #3 OR #4	113,260
#6	“screening”/exp	723,551
#7	“Mass Screening”:ti,ab,kw,de OR “Mass Screenings”:ti,ab,kw,de OR “Screening, Mass”:ti,ab,kw,de OR “Screenings, Mass”:ti,ab,kw,de OR “Screening”:ti,ab,kw,de OR “Screenings”:ti,ab,kw,de OR “multiple screening”:ti,ab,kw,de OR “prescreening”:ti,ab,kw,de OR “project, screening”:ti,ab,kw,de OR “screening method”:ti,ab,kw,de OR “screening procedure”:ti,ab,kw,de OR “screening program”:ti,ab,kw,de OR “screening programme”:ti,ab,kw,de OR “screening project”:ti,ab,kw,de OR “screening test”:ti,ab,kw,de OR “screening tool”:ti,ab,kw,de OR “screening tools”:ti,ab,kw,de OR “screening protocol”:ti,ab,kw,de OR “bedside assessment”:ti,ab,kw,de OR “bedside screening test”:ti,ab,kw,de OR “clinical evaluation”:ti,ab,kw,de OR “bedside dysphagia screenings”:ti,ab,kw,de OR “triage”:ti,ab,kw,de	1,363,756

#8	“Formal screening protocol”:ti,ab,kw,de OR “Formal screening test”:ti,ab,kw,de OR “Formal screening tool”:ti,ab,kw,de OR “Formal screening tools”:ti,ab,kw,de OR “Formal screening”:ti,ab,kw,de OR “The Barnes-Jewish Hospital Stroke Dysphagia Screen”:ti,ab,kw,de OR “BJH-SDS”:ti,ab,kw,de OR “the Mann Assessment of Swallowing Ability”:ti,ab,kw,de OR “MASA”:ti,ab,kw,de OR “Toronto Bedside Swallowing Screening Test”:ti,ab,kw,de OR “TOR-BSST”:ti,ab,kw,de OR “The Burke dysphagia screening test”:ti,ab,kw,de OR “The Gugging Swallowing Screen”:ti,ab,kw,de OR “GUSS”:ti,ab,kw,de OR “Volume-viscosity swallow test”:ti,ab,kw,de OR “Standard swallowing assessment”:ti,ab,kw,de OR “Guggen swallowing screen”:ti,ab,kw,de OR “Clinical swallow assessment”:ti,ab,kw,de OR “Sydney swallow Questionnaire”:ti,ab,kw,de OR “EAT-10”:ti,ab,kw,de	1,705
#9	“single screening protocol”:ti,ab,kw,de OR “single screening test”:ti,ab,kw,de OR “single screening tool”:ti,ab,kw,de OR “single screening tools”:ti,ab,kw,de OR “single screening”:ti,ab,kw,de OR “3-oz water swallow test”:ti,ab,kw,de OR “3-oz test”:ti,ab,kw,de OR “Swallow Test”:ti,ab,kw,de OR “Clinical swallow assessment”:ti,ab,kw,de OR “CSA”:ti,ab,kw,de OR “water swallow test”:ti,ab,kw,de OR “Pulse oximetry (SpO2) monitoring”:ti,ab,kw,de OR “Pulse oximetry SpO2 monitoring”:ti,ab,kw,de OR “Pulse oximetry monitoring”:ti,ab,kw,de OR “The modified Evans blue dye test”:ti,ab,kw,de OR “MEBDT”:ti,ab,kw,de OR “Standardized Swallowing Assessment”:ti,ab,kw,de OR “SSA”:ti,ab,kw,de OR “Volume-Viscosity Swallow Test”:ti,ab,kw,de OR “Bedside Evaluation of Dysphagia”:ti,ab,kw,de OR “BED”:ti,ab,kw,de OR “bedside swallowing evaluation”:ti,ab,kw,de OR “BSE”:ti,ab,kw,de OR “Water Swallow Test”:ti,ab,kw,de OR “WST”:ti,ab,kw,de OR “repetitive saliva swallowing test”:ti,ab,kw,de OR “RSST”:ti,ab,kw,de OR “bedside swallowing evaluation”:ti,ab,kw,de OR “BSE”:ti,ab,kw,de	238,084
#10	#6 OR #7 OR #8 OR #9	1,600,776
#11	#5 AND #10	7,777

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,929
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,896
#3	[mh “Deglutition”]	412
#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)":ti,ab,kw OR “swallow (ingestion)":ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,094
#5	{OR #1-#4}	8,655
#6	[mh “Mass Screening”]	3,839
#7	“Mass Screening”:ti,ab,kw OR “Mass Screenings”:ti,ab,kw OR “Screening, Mass”:ti,ab,kw OR “Screenings, Mass”:ti,ab,kw OR “Screening”:ti,ab,kw OR “Screenings”:ti,ab,kw OR “multiple screening”:ti,ab,kw OR “prescreening”:ti,ab,kw OR “project, screening”:ti,ab,kw OR “screening method”:ti,ab,kw OR “screening procedure”:ti,ab,kw OR “screening program”:ti,ab,kw OR “screening programme”:ti,ab,kw OR “screening project”:ti,ab,kw OR “screening test”:ti,ab,kw OR “screening tool”:ti,ab,kw OR “screening tools”:ti,ab,kw OR “screening protocol”:ti,ab,kw OR “bedside assessment”:ti,ab,kw OR “bedside screening test”:ti,ab,kw OR “clinical evaluation”:ti,ab,kw OR “bedside dysphagia screenings”:ti,ab,kw OR “triage”:ti,ab,kw	74,781

#8	“Formal screening protocol”:ti,ab,kw OR “Formal screening test”:ti,ab,kw OR “Formal screening tool”:ti,ab,kw OR “Formal screening tools”:ti,ab,kw OR “Formal screening”:ti,ab,kw OR “The Barnes-Jewish Hospital Stroke Dysphagia Screen”:ti,ab,kw OR “BJH-SDS”:ti,ab,kw OR “the Mann Assessment of Swallowing Ability”:ti,ab,kw OR “MASA”:ti,ab,kw OR “Toronto Bedside Swallowing Screening Test”:ti,ab,kw OR “TOR-BSST”:ti,ab,kw OR “The Burke dysphagia screening test”:ti,ab,kw OR “The Gugging Swallowing Screen”:ti,ab,kw OR “GUSS”:ti,ab,kw OR “Volume-viscosity swallow test”:ti,ab,kw OR “Standard swallowing assessment”:ti,ab,kw OR “Guggen swallowing screen”:ti,ab,kw OR “Clinical swallow assessment”:ti,ab,kw OR “Sydney swallow Questionnaire”:ti,ab,kw OR “EAT-10”:ti,ab,kw	1,716
#9	“single screening protocol”:ti,ab,kw OR “single screening test”:ti,ab,kw OR “single screening tool”:ti,ab,kw OR “single screening tools”:ti,ab,kw OR “single screening”:ti,ab,kw OR “3-oz water swallow test”:ti,ab,kw OR “3-oz test”:ti,ab,kw OR “Swallow Test”:ti,ab,kw OR “Clinical swallow assessment”:ti,ab,kw OR “CSA”:ti,ab,kw OR “water swallow test”:ti,ab,kw OR “Pulse oximetry (SpO2) monitoring”:ti,ab,kw OR “Pulse oximetry SpO2 monitoring”:ti,ab,kw OR “Pulse oximetry monitoring”:ti,ab,kw OR “The modified Evan’s blue dye test”:ti,ab,kw OR “MEBDT”:ti,ab,kw OR “Standardized Swallowing Assessment”:ti,ab,kw OR “SSA”:ti,ab,kw OR “Volume-Viscosity Swallow Test”:ti,ab,kw OR “Bedside Evaluation of Dysphagia”:ti,ab,kw OR “BED”:ti,ab,kw OR “bedside swallowing evaluation”:ti,ab,kw OR “BSE”:ti,ab,kw OR “Water Swallow Test”:ti,ab,kw OR “WST”:ti,ab,kw OR “repetitive saliva swallowing test”:ti,ab,kw OR “RSST”:ti,ab,kw OR “bedside swallowing evaluation”:ti,ab,kw OR “BSE”:ti,ab,kw	14,231
#10	{OR #6-#9}	90,106
#11	#5 AND #10	636

4) Kibase

No.	Search Strategies	Search Results
#1	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Screening] OR [ALL=Screenings]) OR [ALL=triage]) OR [ALL=assessment]) OR [ALL=Evaluation]))	403
#2	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=swallow test] OR [ALL=BJH-SDS]) OR [ALL=MASA]) OR [ALL=TOR-BSST]))	47
#3	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=The Burke] OR [ALL=The Gugging Swallowing Screen]) OR [ALL=GUSS]) OR [ALL=Sydney swallow Questionnaire]) OR [ALL=EAT-10]))	14
#4	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Pulse oximetry monitoring] OR [ALL=The modified Evan’s blue dye test]) OR [ALL=SSA]) OR [ALL=WST]) OR [ALL=CSA]) OR [ALL=MEBDT]) OR [ALL=BED]) OR [ALL=BSE]) OR [ALL=RSST]))	40
#5	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=연하검사] OR [ALL=연하 평가]) OR [ALL=선별검사]) OR [ALL=스크리닝]) OR [ALL=집단검진]) OR [ALL=임상적 평가]) OR [ALL=환자 분류]))	35
#6	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=프로토콜] OR [ALL=삼킴검사]) OR [ALL=삼킴평가]) OR [ALL=맥박산소측정]) OR [ALL=맥박산소계측]))	16
#7	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Screening] OR [ALL=Screenings]) OR [ALL=triage]) OR [ALL=assessment]) OR [ALL=Evaluation]))	169
#8	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=swallow test] OR [ALL=BJH-SDS]) OR [ALL=MASA]) OR [ALL=TOR-BSST]))	28
#9	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=The Burke] OR [ALL=The Gugging Swallowing Screen]) OR [ALL=GUSS]) OR [ALL=Sydney swallow Questionnaire]) OR [ALL=EAT-10]))	11
#10	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Pulse oximetry monitoring] OR [ALL=The modified Evan’s blue dye test]) OR [ALL=SSA]) OR [ALL=WST]))	2

#11	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=CSA] OR [ALL=MEBDT]) OR [ALL=BED]) OR [ALL=BSE]) OR [ALL=RSST]))	14
#12	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=연하검사] OR [ALL=연하 평가]) OR [ALL=선별검사]) OR [ALL=스크리닝]) OR [ALL=집단검진]) OR [ALL=임상적 평가]) OR [ALL=환자 분류]))	39
#13	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=프로토콜] OR [ALL=삼킴검사]) OR [ALL=삼킴평가]) OR [ALL=맥박산소측정]) OR [ALL=맥박산소계측]))	17
#14	#1부터 #13까지의 Search Results 단순합계	835

KQ 3. Is videofluoroscopic swallowing study more effective than clinical evaluation in diagnosing oropharyngeal dysphagia?

1) PubMed

No.	Search Strategies	Search Results
#1	"Deglutition Disorders"[Mesh]	53,825
#2	"Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW]	40,562
#3	"Deglutition"[Mesh]	10,046
#4	"Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]	40,890
#5	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR (("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]))	86,165
#6	"Fluoroscopy"[Mesh]	22,291
#7	"Fluoroscopy"[TW] OR "Fluoroscopies"[TW] OR "fluorescence radiation"[TW] OR "fluorescence scanning"[TW] OR "fluorescent scanning"[TW] OR "fluorophotography"[TW] OR "photofluoroscopy"[TW] OR "radiofluoroscopy"[TW] OR "roentgen fluoroscopy"[TW] OR "roentgenfluoroscopy"[TW] OR "scopy, fluoro"[TW] OR "x ray fluoroscopy"[TW] OR "xray fluoroscopy"[TW] OR "VFSS"[TW] OR "Videofluoroscopic Swallow Study"[TW] OR "VFS"[TW] OR "Videofluoroscopic Swallow"[TW] OR "Videofluoroscopy"[TW] OR "video swallowing study"[TW] OR "Modified Barium swallow"[TW] OR "MBS"[TW]	36,409
#8	"Video Recording"[Mesh]	42,222
#9	"Video Recording"[TW] OR "Recording, Video"[TW] OR "Recordings, Video"[TW] OR "Video Recordings"[TW] OR "Videorecording"[TW] OR "Videorecordings"[TW] OR "Audiovisual Recording"[TW] OR "Audiovisual Recordings"[TW] OR "Recording, Audiovisual"[TW] OR "Recordings, Audiovisual"[TW] OR "ampex"[TW] OR "recording, video"[TW] OR "video"[TW] OR "video disc recording"[TW] OR "video storage"[TW] OR "video tape recording"[TW] OR "videodisc recording"[TW] OR "videotape recording"[TW]	125,927
#10	((("Fluoroscopy"[Mesh]) OR ("Fluoroscopy"[TW] OR "Fluoroscopies"[TW] OR "fluorescence radiation"[TW] OR "fluorescence scanning"[TW] OR "fluorescent scanning"[TW] OR "fluorophotography"[TW] OR "photofluoroscopy"[TW] OR "radiofluoroscopy"[TW] OR "roentgen fluoroscopy"[TW] OR "roentgenfluoroscopy"[TW] OR "scopy, fluoro"[TW] OR "x ray fluoroscopy"[TW] OR "xray fluoroscopy"[TW] OR "VFSS"[TW] OR "Videofluoroscopic Swallow Study"[TW] OR "VFS"[TW] OR "Videofluoroscopic Swallow"[TW] OR "Videofluoroscopy"[TW] OR "video swallowing study"[TW] OR "Modified Barium swallow"[TW] OR "MBS"[TW])) OR ("Video Recording"[Mesh])) OR ("Video Recording"[TW] OR "Recording, Video"[TW] OR "Recordings, Video"[TW] OR "Video Recordings"[TW] OR "Videorecording"[TW] OR "Videorecordings"[TW] OR "Audiovisual Recording"[TW] OR "Audiovisual Recordings"[TW] OR "Recording, Audiovisual"[TW] OR "Recordings, Audiovisual"[TW] OR "ampex"[TW] OR "recording, video"[TW] OR "video"[TW] OR "video disc recording"[TW] OR "video storage"[TW] OR "video tape recording"[TW] OR "videodisc recording"[TW] OR "videotape recording"[TW])	167,729
#11	#5 AND #10	4,518

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	80,064
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	88,158
#3	"swallowing"/exp	23,749
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,285
#5	#1 OR #2 OR #3 OR #4	113,294
#6	"fluoroscopy"/exp	54,201
#7	"Fluoroscopy":ti,ab,kw,de OR "Fluoroscopies":ti,ab,kw,de OR "fluorescence radiation":ti,ab,kw,de OR "fluorescence scanning":ti,ab,kw,de OR "fluorescent scanning":ti,ab,kw,de OR "fluorophotography":ti,ab,kw,de OR "photofluoroscopy":ti,ab,kw,de OR "radiofluoroscopy":ti,ab,kw,de OR "roentgen fluoroscopy":ti,ab,kw,de OR "roentgenfluoroscopy":ti,ab,kw,de OR "scopy, fluoro":ti,ab,kw,de OR "x ray fluoroscopy":ti,ab,kw,de OR "xray fluoroscopy":ti,ab,kw,de OR "VFSS":ti,ab,kw,de OR "Videofluoroscopic Swallow Study":ti,ab,kw,de OR "VFS":ti,ab,kw,de OR "Videofluoroscopic Swallow":ti,ab,kw,de OR "Videofluoroscopy":ti,ab,kw,de OR "video swallowing study":ti,ab,kw,de OR "Modified Barium swallow":ti,ab,kw,de OR "MBS":ti,ab,kw,de	69,245
#8	"videorecording"/exp	94,621
#9	"Video Recording":ti,ab,kw,de OR "Recording, Video":ti,ab,kw,de OR "Recordings, Video":ti,ab,kw,de OR "Video Recordings":ti,ab,kw,de OR "Videorecording":ti,ab,kw,de OR "Videorecordings":ti,ab,kw,de OR "Audiovisual Recordings":ti,ab,kw,de OR "Audiovisual Recordings":ti,ab,kw,de OR "Recording, Audiovisual":ti,ab,kw,de OR "Recordings, Audiovisual":ti,ab,kw,de OR "ampex":ti,ab,kw,de OR "recording, video":ti,ab,kw,de OR "video":ti,ab,kw,de OR "video disc recording":ti,ab,kw,de OR "video storage":ti,ab,kw,de OR "video tape recording":ti,ab,kw,de OR "videodisc recording":ti,ab,kw,de OR "videotape recording":ti,ab,kw,de	179,980
#10	#6 OR #7 OR #8 OR #9	246,491
#11	#5 AND #10	7,234

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh "Deglutition Disorders"]	2,929
#2	"Deglutition Disorders":ti,ab,kw OR "Deglutition Disorder":ti,ab,kw OR "Disorders, Deglutition":ti,ab,kw OR "Swallowing Disorders":ti,ab,kw OR "Swallowing Disorder":ti,ab,kw OR "Dysphagia":ti,ab,kw OR "Oropharyngeal Dysphagia":ti,ab,kw OR "Dysphagia, Oropharyngeal":ti,ab,kw OR "aphagopraxia":ti,ab,kw OR "deglutition difficulty":ti,ab,kw OR "deglutition disorder":ti,ab,kw OR "deglutition disorders":ti,ab,kw OR "difficult deglutition":ti,ab,kw OR "difficulty in swallowing":ti,ab,kw OR "difficulty swallowing":ti,ab,kw OR "dysphagias":ti,ab,kw OR "swallowing difficult":ti,ab,kw OR "swallowing difficultness":ti,ab,kw OR "swallowing difficulty":ti,ab,kw OR "swallowing disorder":ti,ab,kw OR "swallow impairment":ti,ab,kw OR "swallowing problem":ti,ab,kw OR "Swallowing Disturbance":ti,ab,kw OR "impaired swallowing":ti,ab,kw	4,896
#3	[mh "Deglutition"]	412
#4	"Deglutition":ti,ab,kw OR "Deglutitions":ti,ab,kw OR "Swallowing":ti,ab,kw OR "Swallowings":ti,ab,kw OR "oropharyngeal swallow":ti,ab,kw OR "reflex, deglutition":ti,ab,kw OR "swallow (deglutition)":ti,ab,kw OR "swallow (ingestion)":ti,ab,kw OR "swallow function":ti,ab,kw OR "swallow reflex":ti,ab,kw OR "swallowing reflex":ti,ab,kw	4,094

#5	{OR #1-#4}	8,655
#6	[mh "Fluoroscopy"]	645
#7	"Fluoroscopy":ti,ab,kw OR "Fluoroscopies":ti,ab,kw OR "fluorescence radiation":ti,ab,kw OR "fluorescence scanning":ti,ab,kw OR "fluorescent scanning":ti,ab,kw OR "fluorophotography":ti,ab,kw OR "photofluoroscopy":ti,ab,kw OR "radiofluoroscopy":ti,ab,kw OR "roentgen fluoroscopy":ti,ab,kw OR "roentgenfluoroscopy":ti,ab,kw OR "scopy, fluoro":ti,ab,kw OR "x ray fluoroscopy":ti,ab,kw OR "xray fluoroscopy":ti,ab,kw OR "VFSS":ti,ab,kw OR "Videofluoroscopic Swallow Study":ti,ab,kw OR "VFS":ti,ab,kw OR "Videofluoroscopic Swallow":ti,ab,kw OR "Videofluoroscopy":ti,ab,kw OR "video swallowing study":ti,ab,kw OR "Modified Barium swallow":ti,ab,kw OR "MBS":ti,ab,kw	3,560
#8	[mh "Video Recording"]	2,631
#9	"Video Recording":ti,ab,kw OR "Recording, Video":ti,ab,kw OR "Recordings, Video":ti,ab,kw OR "Video Recordings":ti,ab,kw OR "Videorecording":ti,ab,kw OR "Videorecordings":ti,ab,kw OR "Audiovisual Recording":ti,ab,kw OR "Audiovisual Recordings":ti,ab,kw OR "Recording, Audiovisual":ti,ab,kw OR "Recordings, Audiovisual":ti,ab,kw OR "ampex":ti,ab,kw OR "recording, video":ti,ab,kw OR "video":ti,ab,kw OR "video disc recording":ti,ab,kw OR "video storage":ti,ab,kw OR "video tape recording":ti,ab,kw OR "videodisc recording":ti,ab,kw OR "videotape recording":ti,ab,kw	18,483
#10	{OR #6-#9}	22,032
#11	#5 AND #10	

4) Kmbase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Fluoroscopy] OR [ALL=Fluoroscopies]) OR [ALL=VFSS]) OR [ALL=VFS]) OR [ALL=Videofluoroscopic Swallow]) OR [ALL=Videofluoroscopy]))	300
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Modified Barium swallow] OR [ALL=MBS]) OR [ALL=Video Recording]) OR [ALL=Video Recordings]) OR [ALL=videorecording]))	24
#3	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=비디오투시연하검사] OR [ALL=비디오 녹화] OR [ALL=형광투시법]) OR [ALL=투시법]) OR [ALL=투시검사]))	14
#4	((([([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=Fluoroscopy] OR [ALL=Fluoroscopies]) OR [ALL=VFSS]) OR [ALL=VFS]) OR [ALL=Videofluoroscopic Swallow]) OR [ALL=Videofluoroscopy]))	140
#5	((([([([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=Modified Barium swallow] OR [ALL=MBS]) OR [ALL=Video Recording]) OR [ALL=Video Recordings]) OR [ALL=videorecording]))	16
#6	((([([([([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=비디오투시연하검사] OR [ALL=비디오 녹화] OR [ALL=형광투시법]) OR [ALL=투시법]) OR [ALL=투시검사]))	13
#7	#1부터 #6까지의 Search Results 단순합계	

KQ 4. Is fiberoptic endoscopic examination of swallowing more effective than VFSS for the diagnosis of dysphagia?**1) PubMed**

No.	Search Strategies	Search Results
#1	“Deglutition Disorders”[Mesh]	53,825
#2	“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW]	40,562
#3	“Deglutition”[Mesh]	10,046
#4	“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]	40,890
#5	((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]))	86,165
#6	“Endoscopy”[Mesh]	362,737
#7	“Endoscopy”[TW] OR “Surgical Procedures, Endoscopic”[TW] OR “Procedure, Endoscopic Surgical”[TW] OR “Procedures, Endoscopic Surgical”[TW] OR “Surgical Procedure, Endoscopic”[TW] OR “Endoscopy, Surgical”[TW] OR “Surgical Endoscopy”[TW] OR “Endoscopic Surgical Procedure”[TW] OR “Endoscopic Surgical Procedures”[TW] OR “endoscopic imaging”[TW] OR “Fiberoptic Endoscopic Evaluation Swallowing”[TW] OR “Fiberoptic Endoscopic Evaluation of Swallowing”[TW] OR “FEES”[TW] OR “Flexible Fiberoptic Endoscopic Examination of Swallowing”[TW] OR “FFEES”[TW] OR “videoendoscopy”[TW]	158,993
#8	(“Endoscopy”[Mesh]) OR (“Endoscopy”[TW] OR “Surgical Procedures, Endoscopic”[TW] OR “Procedure, Endoscopic Surgical”[TW] OR “Procedures, Endoscopic Surgical”[TW] OR “Surgical Procedure, Endoscopic”[TW] OR “Endoscopy, Surgical”[TW] OR “Surgical Endoscopy”[TW] OR “Endoscopic Surgical Procedure”[TW] OR “Endoscopic Surgical Procedures”[TW] OR “endoscopic imaging”[TW] OR “Fiberoptic Endoscopic Evaluation Swallowing”[TW] OR “Fiberoptic Endoscopic Evaluation of Swallowing”[TW] OR “FEES”[TW] OR “Flexible Fiberoptic Endoscopic Examination of Swallowing”[TW] OR “FFEES”[TW] OR “videoendoscopy”[TW])	421,071
#9	“Fluoroscopy”[Mesh]	22,291
#10	“Fluoroscopy”[TW] OR “Fluoroscopies”[TW] OR “fluorescence radiation”[TW] OR “fluorescence scanning”[TW] OR “fluorescent scanning”[TW] OR “fluorophotography”[TW] OR “photofluoroscopy”[TW] OR “radiofluoroscopy”[TW] OR “roentgen fluoroscopy”[TW] OR “roentgenfluoroscopy”[TW] OR “scopy, fluoro”[TW] OR “x ray fluoroscopy”[TW] OR “xray fluoroscopy”[TW] OR “VFSS”[TW] OR “Videofluoroscopic Swallow Study”[TW] OR “VFS”[TW] OR “Videofluoroscopic Swallow”[TW] OR “Videofluoroscopy”[TW] OR “video swallowing study”[TW] OR “Modified Barium swallow”[TW] OR “MBS”[TW]	36,409
#11	“Video Recording”[Mesh]	42,222

#12	“Video Recording”[TW] OR “Recording, Video”[TW] OR “Recordings, Video”[TW] OR “Video Recordings”[TW] OR “Videorecording”[TW] OR “Videorecordings”[TW] OR “Audiovisual Recording”[TW] OR “Audiovisual Recordings”[TW] OR “Recording, Audiovisual”[TW] OR “Recordings, Audiovisual”[TW] OR “ampex”[TW] OR “recording, video”[TW] OR “video”[TW] OR “video disc recording”[TW] OR “video storage”[TW] OR “video tape recording”[TW] OR “videodisc recording”[TW] OR “videotape recording”[TW]	125,927
#13	((“Fluoroscopy”[Mesh]) OR (“Fluoroscopy”[TW] OR “Fluoroscopies”[TW] OR “fluorescence radiation”[TW] OR “fluorescence scanning”[TW] OR “fluorescent scanning”[TW] OR “fluorophotography”[TW] OR “photofluoroscopy”[TW] OR “radiofluoroscopy”[TW] OR “roentgen fluoroscopy”[TW] OR “roentgenfluoroscopy”[TW] OR “scopy, fluoro”[TW] OR “x ray fluoroscopy”[TW] OR “xray fluoroscopy”[TW] OR “VFSS”[TW] OR “Videofluoroscopic Swallow Study”[TW] OR “VFS”[TW] OR “Videofluoroscopic Swallow”[TW] OR “Videofluoroscopy”[TW] OR “video swallowing study”[TW] OR “Modified Barium swallow”[TW] OR “MBS”[TW])) OR (“Video Recording”[Mesh])) OR (“Video Recording”[TW] OR “Recording, Video”[TW] OR “Recordings, Video”[TW] OR “Video Recordings”[TW] OR “Videorecording”[TW] OR “Videorecordings”[TW] OR “Audiovisual Recording”[TW] OR “Audiovisual Recordings”[TW] OR “Recording, Audiovisual”[TW] OR “Recordings, Audiovisual”[TW] OR “ampex”[TW] OR “recording, video”[TW] OR “video”[TW] OR “video disc recording”[TW] OR “video storage”[TW] OR “video tape recording”[TW] OR “videodisc recording”[TW] OR “videotape recording”[TW])	167,729
#14	#5 AND #8 AND #13	1,062

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	“dysphagia”/exp	80,033
#2	“Deglutition Disorders”:ti,ab,kw,de OR “Deglutition Disorder”:ti,ab,kw,de OR “Disorders, Deglutition”:ti,ab,kw,de OR “Swallowing Disorders”:ti,ab,kw,de OR “Swallowing Disorder”:ti,ab,kw,de OR “Dysphagia”:ti,ab,kw,de OR “Oropharyngeal Dysphagia”:ti,ab,kw,de OR “Dysphagia, Oropharyngeal”:ti,ab,kw,de OR “aphagopraxia”:ti,ab,kw,de OR “deglutition difficulty”:ti,ab,kw,de OR “deglutition disorder”:ti,ab,kw,de OR “deglutition disorders”:ti,ab,kw,de OR “difficult deglutition”:ti,ab,kw,de OR “difficulty in swallowing”:ti,ab,kw,de OR “difficulty swallowing”:ti,ab,kw,de OR “dysphagias”:ti,ab,kw,de OR “swallowing difficult”:ti,ab,kw,de OR “swallowing difficultness”:ti,ab,kw,de OR “swallowing difficulty”:ti,ab,kw,de OR “swallowing disorder”:ti,ab,kw,de OR “swallow impairment”:ti,ab,kw,de OR “swallowing problem”:ti,ab,kw,de OR “Swallowing Disturbance”:ti,ab,kw,de OR “impaired swallowing”:ti,ab,kw,de	88,129
#3	“swallowing”/exp	23,747
#4	“Deglutition”:ti,ab,kw,de OR “Deglutitions”:ti,ab,kw,de OR “Swallowing”:ti,ab,kw,de OR “Swallowings”:ti,ab,kw,de OR “oropharyngeal swallow”:ti,ab,kw,de OR “reflex, deglutition”:ti,ab,kw,de OR “swallow (deglutition)":ti,ab,kw,de OR “swallow (ingestion)":ti,ab,kw,de OR “swallow function”:ti,ab,kw,de OR “swallow reflex”:ti,ab,kw,de OR “swallowing reflex”:ti,ab,kw,de	43,275
#5	#1 OR #2 OR #3 OR #4	113,260
#6	“endoscopy”/exp	675,375
#7	“Endoscopy”:ti,ab,kw,de OR “Surgical Procedures, Endoscopic”:ti,ab,kw,de OR “Procedure, Endoscopic Surgical”:ti,ab,kw,de OR “Procedures, Endoscopic Surgical”:ti,ab,kw,de OR “Surgical Procedure, Endoscopic”:ti,ab,kw,de OR “Endoscopy, Surgical”:ti,ab,kw,de OR “Surgical Endoscopy”:ti,ab,kw,de OR “Endoscopic Surgical Procedure”:ti,ab,kw,de OR “Endoscopic Surgical Procedures”:ti,ab,kw,de OR “endoscopic imaging”:ti,ab,kw,de OR “Fiberoptic Endoscopic Evaluation Swallowing”:ti,ab,kw,de OR “Fiberoptic Endoscopic Evaluation of Swallowing”:ti,ab,kw,de OR “FEES”:ti,ab,kw,de OR “Flexible Fiberoptic Endoscopic Examination of Swallowing”:ti,ab,kw,de OR “FEESS”:ti,ab,kw,de OR “videoendoscopy”:ti,ab,kw,de	229,448
#8	#6 OR #7	711,693
#9	“fluoroscopy”/exp	54,186

#10	“Fluoroscopy”:ti,ab,kw,de OR “Fluoroscopies”:ti,ab,kw,de OR “fluorescence radiation”:ti,ab,kw,de OR “fluorescence scanning”:ti,ab,kw,de OR “fluorescent scanning”:ti,ab,kw,de OR “fluorophotography”:ti,ab,kw,de OR “photofluoroscopy”:ti,ab,kw,de OR “radiofluoroscopy”:ti,ab,kw,de OR “roentgen fluoroscopy”:ti,ab,kw,de OR “roentgenfluoroscopy”:ti,ab,kw,de OR “scopy, fluoro”:ti,ab,kw,de OR “x ray fluoroscopy”:ti,ab,kw,de OR “xray fluoroscopy”:ti,ab,kw,de OR “VFSS”:ti,ab,kw,de OR “Videofluoroscopic Swallow Study”:ti,ab,kw,de OR “VFS”:ti,ab,kw,de OR “Videofluoroscopic Swallow”:ti,ab,kw,de OR “Videofluoroscopy”:ti,ab,kw,de OR “video swallowing study”:ti,ab,kw,de OR “Modified Barium swallow”:ti,ab,kw,de OR “MBS”:ti,ab,kw,de	69,228
#11	“videorecording”/exp	94,619
#12	“Video Recording”:ti,ab,kw,de OR “Recording, Video”:ti,ab,kw,de OR “Recordings, Video”:ti,ab,kw,de OR “Video Recordings”:ti,ab,kw,de OR “Videorecording”:ti,ab,kw,de OR “Videorecordings”:ti,ab,kw,de OR “Audiovisual Recording”:ti,ab,kw,de OR “Audiovisual Recordings”:ti,ab,kw,de OR “Recording, Audiovisual”:ti,ab,kw,de OR “Recordings, Audiovisual”:ti,ab,kw,de OR “ampex”:ti,ab,kw,de OR “recording, video”:ti,ab,kw,de OR “video”:ti,ab,kw,de OR “video disc recording”:ti,ab,kw,de OR “video storage”:ti,ab,kw,de OR “video tape recording”:ti,ab,kw,de OR “videodisc recording”:ti,ab,kw,de OR “videotape recording”:ti,ab,kw,de	179,955
#13	#9 OR #10 OR #11 OR #12	246,450
#14	#5 AND #8 AND #13	2,013

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,929
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,896
#3	[mh “Deglutition”]	412
#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)":ti,ab,kw OR “swallow (ingestion)":ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,094
#5	{OR #1-#4}	8,655
#6	[mh “Endoscopy”]	17,783
#7	“Endoscopy”:ti,ab,kw OR “Surgical Procedures, Endoscopic”:ti,ab,kw OR “Procedure, Endoscopic Surgical”:ti,ab,kw OR “Procedures, Endoscopic Surgical”:ti,ab,kw OR “Surgical Procedure, Endoscopic”:ti,ab,kw OR “Endoscopy, Surgical”:ti,ab,kw OR “Surgical Endoscopy”:ti,ab,kw OR “Endoscopic Surgical Procedure”:ti,ab,kw OR “Endoscopic Surgical Procedures”:ti,ab,kw OR “endoscopic imaging”:ti,ab,kw OR “Fiberoptic Endoscopic Evaluation Swallowing”:ti,ab,kw OR “Fiberoptic Endoscopic Evaluation of Swallowing”:ti,ab,kw OR “FEES”:ti,ab,kw OR “Flexible Fiberoptic Endoscopic Examination of Swallowing”:ti,ab,kw OR “FEEESS”:ti,ab,kw OR “videoendoscopy”:ti,ab,kw	13,055
#8	{OR #6-#7}	26,756
#9	[mh “Fluoroscopy”]	645
#10	“Fluoroscopy”:ti,ab,kw OR “Fluoroscopies”:ti,ab,kw OR “fluorescence radiation”:ti,ab,kw OR “fluorescence scanning”:ti,ab,kw OR “fluorescent scanning”:ti,ab,kw OR “fluorophotography”:ti,ab,kw OR “photofluoroscopy”:ti,ab,kw OR “radiofluoroscopy”:ti,ab,kw OR “roentgen fluoroscopy”:ti,ab,kw OR “roentgenfluoroscopy”:ti,ab,kw OR “scopy, fluoro”:ti,ab,kw OR “x ray fluoroscopy”:ti,ab,kw OR “xray fluoroscopy”:ti,ab,kw OR “VFSS”:ti,ab,kw OR “Videofluoroscopic Swallow Study”:ti,ab,kw OR “VFS”:ti,ab,kw OR “Videofluoroscopic Swallow”:ti,ab,kw OR “Videofluoroscopy”:ti,ab,kw OR “video swallowing study”:ti,ab,kw OR “Modified Barium swallow”:ti,ab,kw OR “MBS”:ti,ab,kw	3,560

#11	[mh "Video Recording"]	2,631
#12	"Video Recording":ti,ab,kw OR "Recording, Video":ti,ab,kw OR "Recordings, Video":ti,ab,kw OR "Video Recordings":ti,ab,kw OR "Videorecording":ti,ab,kw OR "Videorecordings":ti,ab,kw OR "Audiovisual Recording":ti,ab,kw OR "Audiovisual Recordings":ti,ab,kw OR "Recording, Audiovisual":ti,ab,kw OR "Recordings, Audiovisual":ti,ab,kw OR "ampex":ti,ab,kw OR "recording, video":ti,ab,kw OR "video":ti,ab,kw OR "video disc recording":ti,ab,kw OR "video storage":ti,ab,kw OR "video tape recording":ti,ab,kw OR "videodisc recording":ti,ab,kw OR "videotape recording":ti,ab,kw	18,483
#13	{OR #9-#12}	22,032
#14	#5 AND #8 AND #13	79

4) Kibase

No.	Search Strategies	Search Results
#1	(((((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Endoscopy] OR [ALL=FEES]) OR [ALL=FFEES]) OR [ALL=videoendoscopy])) AND (((([ALL=Fluoroscopy] OR [ALL=Fluoroscopies]) OR [ALL=VFSS]) OR [ALL=VFS]) OR [ALL=Videofluoroscopic Swallow]) OR [ALL=Videofluorscopy]))	19
#2	(((((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Endoscopy] OR [ALL=FEES]) OR [ALL=FFEES]) OR [ALL=videoendoscopy])) AND ((([ALL=Modified Barium swallow] OR [ALL=MBS]) OR [ALL=Video Recording]) OR [ALL=Video Recordings]) OR [ALL=videorecording]))	1
#3	(((((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=Fiberoptic Endoscopic Evaluation of Swallowing] OR [ALL=Flexible Fiberoptic Endoscopic Examination of Swallowing])) AND (((([ALL=Fluoroscopy] OR [ALL=Fluoroscopies]) OR [ALL=VFSS]) OR [ALL=VFS]) OR [ALL=Videofluoroscopic Swallow]) OR [ALL=Videofluorscopy]))	7
#4	(((((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=Fiberoptic Endoscopic Evaluation of Swallowing] OR [ALL=Flexible Fiberoptic Endoscopic Examination of Swallowing])) AND ((([ALL=Modified Barium swallow] OR [ALL=MBS]) OR [ALL=Video Recording]) OR [ALL=Video Recordings]) OR [ALL=videorecording]))	1
#5	(((((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Endoscopy] OR [ALL=FEES]) OR [ALL=FFEES]) OR [ALL=videoendoscopy])) AND ((([ALL=비디오투시연하검사] OR [ALL=비디오 녹화] OR [ALL=형광투시법] OR [ALL=투시법] OR [ALL=투시검사]))	0
#6	(((((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=Fiberoptic Endoscopic Evaluation of Swallowing] OR [ALL=Flexible Fiberoptic Endoscopic Examination of Swallowing])) AND ((([ALL=비디오투시연하검사] OR [ALL=비디오 녹화] OR [ALL=형광투시법] OR [ALL=투시법] OR [ALL=투시검사]))	0
#7	(((((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=내시경 연하검사] OR [ALL=내시경검사] OR [ALL=내시경술] OR [ALL=비디오내시경술])) AND (((([ALL=Fluoroscopy] OR [ALL=Fluoroscopies]) OR [ALL=VFSS]) OR [ALL=VFS]) OR [ALL=Videofluoroscopic Swallow]) OR [ALL=Videofluorscopy]))	1
#8	(((((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=내시경 연하검사] OR [ALL=내시경검사] OR [ALL=내시경술] OR [ALL=비디오내시경술])) AND (((([ALL=Modified Barium swallow] OR [ALL=MBS]) OR [ALL=Video Recording]) OR [ALL=Video Recordings]) OR [ALL=videorecording]))	0
#9	(((((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=내시경 연하검사] OR [ALL=내시경검사] OR [ALL=내시경술] OR [ALL=비디오내시경술])) AND ((([ALL=비디오투시연하검사] OR [ALL=비디오 녹화] OR [ALL=형광투시법] OR [ALL=투시법] OR [ALL=투시검사]))	0
#10	((((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=Endoscopy] OR [ALL=FEES]) OR [ALL=FFEES]) OR [ALL=videoendoscopy])) AND (((([ALL=Fluoroscopy] OR [ALL=Fluoroscopies]) OR [ALL=VFSS]) OR [ALL=VFS]) OR [ALL=Videofluoroscopic Swallow]) OR [ALL=Videofluorscopy]))	8

#11	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Endoscopy] OR [ALL=FEES]) OR [ALL=FFEES]) OR [ALL=videoendoscopy])) AND ((([ALL=Modified Barium swallow] OR [ALL=MBS]) OR [ALL=Video Recording]) OR [ALL=Video Recordings]) OR [ALL=videorecording]))	0
#12	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ([ALL=Fiberoptic Endoscopic Evaluation of Swallowing] OR [ALL=Flexible Fiberoptic Endoscopic Examination of Swallowing]) AND (((([ALL=Fluoroscopy] OR [ALL=Fluoroscopies]) OR [ALL=VFSS]) OR [ALL=VFS]) OR [ALL=Videofluoroscopic Swallow] OR [ALL=Videofluoroscopy]))	2
#13	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ([ALL=Fiberoptic Endoscopic Evaluation of Swallowing] OR [ALL=Flexible Fiberoptic Endoscopic Examination of Swallowing]) AND ((([ALL=Modified Barium swallow] OR [ALL=MBS]) OR [ALL=Video Recording]) OR [ALL=Video Recordings]) OR [ALL=videorecording]))	1
#14	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Endoscopy] OR [ALL=FEES]) OR [ALL=FFEES]) OR [ALL=videoendoscopy])) AND ((([ALL=비디오투시연하검사] OR [ALL=비디오 녹화] OR [ALL=형광투시법]) OR [ALL=투시법]) OR [ALL=투시검사]))	0
#15	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ([ALL=Fiberoptic Endoscopic Evaluation of Swallowing] OR [ALL=Flexible Fiberoptic Endoscopic Examination of Swallowing]) AND ((([ALL=비디오투시연하검사] OR [ALL=비디오 녹화] OR [ALL=형광투시법]) OR [ALL=투시법]) OR [ALL=투시검사]))	0
#16	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=내시경 연하검사] OR [ALL=내시경검사] OR [ALL=내시경술] OR [ALL=비디오내시경술])) AND ((([ALL=Fluoroscopy] OR [ALL=Fluoroscopies]) OR [ALL=VFSS]) OR [ALL=VFS]) OR [ALL=Videofluoroscopic Swallow] OR [ALL=Videofluoroscopy]))	1
#17	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=내시경 연하검사] OR [ALL=내시경검사] OR [ALL=내시경술] OR [ALL=비디오내시경술])) AND ((([ALL=Modified Barium swallow] OR [ALL=MBS]) OR [ALL=Video Recording]) OR [ALL=Video Recordings]) OR [ALL=videorecording]))	0
#18	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=내시경 연하검사] OR [ALL=내시경검사] OR [ALL=내시경술] OR [ALL=비디오내시경술])) AND ((([ALL=비디오투시연하검사] OR [ALL=비디오 녹화] OR [ALL=형광투시법]) OR [ALL=투시법]) OR [ALL=투시검사]))	0
#19	#1부터 #18까지의 Search Results 단순합계	

KQ 5. Is oropharyngeal sensory stimulation therapy effective in improving swallowing function and quality of life?**1) PubMed**

No.	Search Strategies	Search Results
#1	“Deglutition Disorders”[Mesh]	53,800
#2	“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW]	40,503
#3	“Deglutition”[Mesh]	10,040
#4	“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]	40,855
#5	((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]))	86,087
#6	“sensory stimulation”[TW] OR “sensory input”[TW] OR “sensory stimulus”[TW] OR “Oropharyngeal Sensory Stimulation”[TW] OR “sensorimotor stimulation”[TW] OR “sense stimulus”[TW] OR “Sensory Stimuli”[TW] OR “thermal stimulation”[TW] OR “tactile stimulation”[TW] OR “pharyngeal stimulation”[TW] OR “thermal tactile stimulation”[TW] OR “pharyngeal sensory stimulation”[TW]	14,884
#7	“Physical Stimulation”[Mesh]	245,975
#8	“Physical Stimulation”[TW] OR “Stimulation, Physical”[TW] OR “Physical Stimulations”[TW] OR “Stimulations, Physical”[TW]	19,712
#9	“Stimulation, Chemical”[Mesh]	37,508
#10	“Stimulation, Chemical”[TW] OR “Chemical Stimulation”[TW] OR “Chemical Stimulations”[TW] OR “Stimulations, Chemical”[TW]	38,929
#11	((“sensory stimulation”[TW] OR “sensory input”[TW] OR “sensory stimulus”[TW] OR “Oropharyngeal Sensory Stimulation”[TW] OR “sensorimotor stimulation”[TW] OR “Sensory stimulation”[TW] OR “sense stimulus”[TW] OR “Sensory Stimuli”[TW] OR “thermal stimulation”[TW] OR “tactile stimulation”[TW] OR “pharyngeal stimulation”[TW] OR “thermal tactile stimulation”[TW] OR “pharyngeal sensory stimulation”[TW]) OR (“Physical Stimulation”[Mesh]) OR (“Physical Stimulation”[TW] OR “Stimulation, Physical”[TW] OR “Physical Stimulations”[TW] OR “Stimulations, Physical”[TW])) OR ((“Stimulation, Chemical”[Mesh]) OR (“Stimulation, Chemical”[TW] OR “Chemical Stimulation”[TW] OR “Chemical Stimulations”[TW] OR “Stimulations, Chemical”[TW]))	293,535

#12	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR ((("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]))) AND (((("sensory stimulation"[TW] OR "sensory input"[TW] OR "sensory stimulus"[TW] OR "Oropharyngeal Sensory Stimulation"[TW] OR "sensorimotor stimulation"[TW] OR "sense stimulus"[TW] OR "Sensory Stimuli"[TW] OR "thermal stimulation"[TW] OR "tactile stimulation"[TW] OR "pharyngeal stimulation"[TW] OR "thermal tactile stimulation"[TW] OR "pharyngeal sensory stimulation"[TW]) OR ((("Physical Stimulation"[Mesh]) OR ("Physical Stimulation"[TW] OR "Stimulation, Physical"[TW] OR "Physical Stimulations"[TW] OR "Stimulations, Physical"[TW]))) OR ((("Stimulation, Chemical"[Mesh]) OR ("Stimulation, Chemical"[TW] OR "Chemical Stimulation"[TW] OR "Chemical Stimulations"[TW] OR "Stimulations, Chemical"[TW])))	778
-----	--	-----

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	79,908
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	88,000
#3	"swallowing"/exp	23,723
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,224
#5	#1 OR #2 OR #3 OR #4	113,109
#6	"sensory stimulation"/exp	103,798
#7	"sensory input":ti,ab,kw,de OR "sensory stimulus":ti,ab,kw,de OR "Oropharyngeal Sensory Stimulation":ti,ab,kw,de OR "sensorimotor stimulation":ti,ab,kw,de OR "Sensory stimulation":ti,ab,kw,de OR "sense stimulus":ti,ab,kw,de OR "Sensory Stimuli":ti,ab,kw,de OR "thermal stimulation":ti,ab,kw,de OR "tactile stimulation":ti,ab,kw,de OR "pharyngeal stimulation":ti,ab,kw,de OR "thermal tactile stimulation":ti,ab,kw,de OR "pharyngeal sensory stimulation":ti,ab,kw,de	35,385
#8	"physical stimulation"/exp	662
#9	"Physical Stimulation":ti,ab,kw,de OR "Stimulation, Physical":ti,ab,kw,de OR "Physical Stimulations":ti,ab,kw,de OR "Stimulations, Physical":ti,ab,kw,de	1,258
#10	"chemical stimulation"/exp	450
#11	"Stimulation, Chemical":ti,ab,kw,de OR "Chemical Stimulation":ti,ab,kw,de OR "Chemical Stimulations":ti,ab,kw,de OR "Stimulations, Chemical":ti,ab,kw,de	2,419
#12	#6 OR #7 OR #8 OR #9 OR #10 OR #11	119,619
#13	#5 AND #12	645

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh "Deglutition Disorders"]	2,920
#2	"Deglutition Disorders":ti,ab,kw OR "Deglutition Disorder":ti,ab,kw OR "Disorders, Deglutition":ti,ab,kw OR "Swallowing Disorders":ti,ab,kw OR "Swallowing Disorder":ti,ab,kw OR "Dysphagia":ti,ab,kw OR "Oropharyngeal Dysphagia":ti,ab,kw OR "Dysphagia, Oropharyngeal":ti,ab,kw OR "aphagopraxia":ti,ab,kw OR "deglutition difficulty":ti,ab,kw OR "deglutition disorder":ti,ab,kw OR "deglutition disorders":ti,ab,kw OR "difficult deglutition":ti,ab,kw OR "difficulty in swallowing":ti,ab,kw OR "difficulty swallowing":ti,ab,kw OR "dysphagias":ti,ab,kw OR "swallowing difficult":ti,ab,kw OR "swallowing difficultness":ti,ab,kw OR "swallowing difficulty":ti,ab,kw OR "swallowing disorder":ti,ab,kw OR "swallow impairment":ti,ab,kw OR "swallowing problem":ti,ab,kw OR "Swallowing Disturbance":ti,ab,kw OR "impaired swallowing":ti,ab,kw	4,847
#3	[mh "Deglutition"]	411
#4	"Deglutition":ti,ab,kw OR "Deglutitions":ti,ab,kw OR "Swallowing":ti,ab,kw OR "Swallowings":ti,ab,kw OR "oropharyngeal swallow":ti,ab,kw OR "reflex, deglutition":ti,ab,kw OR "swallow (deglutition)":ti,ab,kw OR "swallow (ingestion)":ti,ab,kw OR "swallow function":ti,ab,kw OR "swallow reflex":ti,ab,kw OR "swallowing reflex":ti,ab,kw	4,049
#5	{OR #1-#4}	8,578
#6	"sensory stimulation":ti,ab,kw OR "sensory input":ti,ab,kw OR "sensory stimulus":ti,ab,kw OR "Oropharyngeal Sensory Stimulation":ti,ab,kw OR "sensorimotor stimulation":ti,ab,kw OR "sense stimulus":ti,ab,kw OR "Sensory Stimuli":ti,ab,kw OR "thermal stimulation":ti,ab,kw OR "tactile stimulation":ti,ab,kw OR "pharyngeal stimulation":ti,ab,kw OR "thermal tactile stimulation":ti,ab,kw OR "pharyngeal sensory stimulation":ti,ab,kw	1,496
#7	[mh "Physical Stimulation"]	5,189
#8	"Physical Stimulation":ti,ab,kw OR "Stimulation, Physical":ti,ab,kw OR "Physical Stimulations":ti,ab,kw OR "Stimulations, Physical":ti,ab,kw	830
#9	[mh "Stimulation, Chemical"]	649
#10	"Stimulation, Chemical":ti,ab,kw OR "Chemical Stimulation":ti,ab,kw OR "Chemical Stimulations":ti,ab,kw OR "Stimulations, Chemical":ti,ab,kw	681
#11	{OR #6-#10}	7,308
#12	#5 AND #11	117

4) KMBase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=sensory stimulation] OR [ALL=Physical Stimulation]) OR [ALL=Chemical Stimulation]))	10
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Oropharyngeal Sensory Stimulation] OR [ALL=pharyngeal stimulation]) OR [ALL=thermal stimulation]) OR [ALL=tactile stimulation]))	4
#3	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=구강인두 감각자극] OR [ALL=구강 감각자극]) OR [ALL=인두 감각자극]) OR [ALL=감각자극]))	6
#4	((([([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=sensory stimulation] OR [ALL=Physical Stimulation]) OR [ALL=Chemical Stimulation]))	9
#5	((([([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Oropharyngeal Sensory Stimulation] OR [ALL=pharyngeal stimulation]) OR [ALL=thermal stimulation]) OR [ALL=tactile stimulation]))	4
#6	((([([([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=구강인두 감각자극] OR [ALL=구강 감각자극]) OR [ALL=인두 감각자극]) OR [ALL=감각자극]))	4
#7	#1부터 #6까지의 Search Results 단순합계	37

KQ 6.1. Are tongue and pharyngeal muscle strengthening exercises effective in improving swallowing function and quality of life, reducing the incidence of pneumonia, and improving quality of life?

KQ 6.2. Is expiratory muscle strength training effective in improving swallowing function or quality of life?

1) PubMed

No.	Search Strategies	Search Results
#1	“Deglutition Disorders”[Mesh]	53,802
#2	“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW]	40,509
#3	“Deglutition”[Mesh]	10,040
#4	“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]	40,863
#5	((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]))	86,095
#6	“Resistance Training”[Mesh]	9,392
#7	“Resistance Training”[TW] OR “Training, Resistance”[TW] OR “Strength Training”[TW] OR “Training, Strength”[TW] OR “Weight-Lifting Strengthening Program”[TW] OR “Strengthening Program, Weight-Lifting”[TW] OR “Strengthening Programs, Weight-Lifting”[TW] OR “Weight Lifting Strengthening Program”[TW] OR “Weight-Lifting Strengthening Programs”[TW] OR “Weight-Lifting Exercise Program”[TW] OR “Exercise Program, Weight-Lifting”[TW] OR “Exercise Programs, Weight-Lifting”[TW] OR “Weight Lifting Exercise Program”[TW] OR “Weight-Lifting Exercise Programs”[TW] OR “Weight-Bearing Strengthening Program”[TW] OR “Strengthening Program, Weight-Bearing”[TW] OR “Strengthening Programs, Weight-Bearing”[TW] OR “Weight Bearing Strengthening Program”[TW] OR “Weight-Bearing Strengthening Programs”[TW] OR “Weight-Bearing Exercise Program”[TW] OR “Exercise Program, Weight-Bearing”[TW] OR “Exercise Programs, Weight-Bearing”[TW] OR “Weight Bearing Exercise Program”[TW] OR “Weight-Bearing Exercise Programs”[TW] OR “resistance exercise”[TW] OR “resistance exercise training”[TW] OR “weight bearing exercise”[TW] OR “Strength Exercise”[TW] OR “expiratory muscle strength training”[TW] OR “EMST”[TW] OR “expiratory strength training”[TW] OR “Strengthening exercise”[TW] OR “muscle strengthening exercises”[TW] OR “Iowa Oral Performance Instrument”[TW] OR “IOPI”[TW] OR “swallowSTRONG”[TW] OR “Toguemeter”[TW] OR “falsetto”[TW] OR “gargling”[TW] OR “yawn”[TW] OR “blowing”[TW] OR “Masako’s maneuver”[TW] OR “vocal cord adduction exercise”[TW] OR “laryngeal closure exercise”[TW] OR “laryngeal elevation exercise”[TW] OR “Shaker’s exercise”[TW] OR “head raise exercise”[TW] OR “chin-tuck against resistance exercise”[TW] OR “CTAR”[TW]	24,149
#8	“Exercise”[Mesh]	205,634

#9	“Exercise”[TW] OR “Exercises”[TW] OR “Physical Activity”[TW] OR “Activities, Physical”[TW] OR “Activity, Physical”[TW] OR “Physical Activities”[TW] OR “Exercise, Physical”[TW] OR “Exercises, Physical”[TW] OR “Physical Exercise”[TW] OR “Physical Exercises”[TW] OR “Acute Exercise”[TW] OR “Acute Exercises”[TW] OR “Exercise, Acute”[TW] OR “Exercises, Acute”[TW] OR “Exercise, Isometric”[TW] OR “Exercises, Isometric”[TW] OR “Isometric Exercises”[TW] OR “Isometric Exercise”[TW] OR “Exercise, Aerobic”[TW] OR “Aerobic Exercise”[TW] OR “Aerobic Exercises”[TW] OR “Exercises, Aerobic”[TW] OR “Exercise Training”[TW] OR “Exercise Trainings”[TW] OR “Training, Exercise”[TW] OR “Trainings, Exercise”[TW] OR “biometric exercise”[TW] OR “effort”[TW] OR “exercise capacity”[TW] OR “exercise performance”[TW] OR “exertion”[TW] OR “fitness training”[TW] OR “physical conditioning, human”[TW] OR “physical effort”[TW] OR “physical exertion”[TW]	614,221
#10	“Exercise Therapy”[Mesh]	53,460
#11	“Exercise Therapy”[TW] OR “Remedial Exercise”[TW] OR “Exercise, Remedial”[TW] OR “Exercises, Remedial”[TW] OR “Remedial Exercises”[TW] OR “Therapy, Exercise”[TW] OR “Exercise Therapies”[TW] OR “Therapies, Exercise”[TW] OR “Rehabilitation Exercise”[TW] OR “Exercise, Rehabilitation”[TW] OR “Exercises, Rehabilitation”[TW] OR “Rehabilitation Exercises”[TW] OR “kinesiotherapy”[TW] OR “corrective exercise”[TW] OR “exercise movement techniques”[TW] OR “exercise treatment”[TW] OR “kinesiotherapeutic intervention”[TW] OR “kinesiotherapeutic method”[TW] OR “kinesiotherapeutic procedure”[TW] OR “kinesiotherapeutic technique”[TW] OR “kinesiotherapeutical treatment”[TW] OR “kinesiotherapeutic exercises”[TW] OR “kinesiotherapeutic intervention”[TW] OR “kinesiotherapeutic method”[TW] OR “kinesiotherapeutic methodology”[TW] OR “kinesiotherapeutic procedure”[TW] OR “kinesiotherapeutic technique”[TW] OR “kinesiotherapeutic treatment”[TW] OR “kinesiotherapeutical treatment”[TW] OR “kinesiotherapy”[TW] OR “SKTM (specialized kinesiotherapeutic methodology)”[TW] OR “specialised kinesiotherapeutic methodology”[TW] OR “specialized kinesiotherapeutic methodology”[TW] OR “therapeutic exercise”[TW] OR “treatment, exercise”[TW]	47,839
#12	“Muscle Strength”[Mesh]	36,010
#13	“Muscle Strength”[TW] OR “Strength, Muscle”[TW] OR “Arthrogenic Muscle Inhibition”[TW] OR “Arthrogenic Muscle Inhibitions”[TW] OR “Inhibition, Arthrogenic Muscle”[TW] OR “Muscle Inhibition, Arthrogenic”[TW] OR “dynamic strength, muscle”[TW] OR “dynamic strength, muscular”[TW] OR “force, muscle”[TW] OR “muscle dynamic strength”[TW] OR “muscle force”[TW] OR “muscle force velocity relationship”[TW] OR “muscle power”[TW] OR “muscular dynamic strength”[TW] OR “muscular force”[TW] OR “muscular power”[TW] OR “muscular strength”[TW]	46,037
#14	(((((((“Resistance Training”[Mesh]) OR (“Resistance Training”[TW] OR “Training, Resistance”[TW] OR “Strength Training”[TW] OR “Training, Strength”[TW] OR “Weight-Lifting Strengthening Program”[TW] OR “Strengthening Program, Weight-Lifting”[TW] OR “Strengthening Programs, Weight-Lifting”[TW] OR “Weight Lifting Strengthening Program”[TW] OR “Weight-Lifting Strengthening Programs”[TW] OR “Weight-Lifting Exercise Program”[TW] OR “Exercise Program, Weight-Lifting”[TW] OR “Exercise Programs, Weight-Lifting”[TW] OR “Weight Lifting Exercise Program”[TW] OR “Weight-Lifting Exercise Programs”[TW] OR “Weight-Bearing Strengthening Program”[TW] OR “Strengthening Program, Weight-Bearing”[TW] OR “Strengthening Programs, Weight-Bearing”[TW] OR “Weight Bearing Strengthening Program”[TW] OR “Weight-Bearing Strengthening Programs”[TW] OR “Weight-Bearing Exercise Program”[TW] OR “Exercise Program, Weight-Bearing”[TW] OR “Exercise Programs, Weight-Bearing”[TW] OR “Weight Bearing Exercise Program”[TW] OR “Weight-Bearing Exercise Programs”[TW] OR “resistance exercise”[TW] OR “resistance exercise training”[TW] OR “weight bearing exercise”[TW] OR “Strength Exercise”[TW] OR “expiratory muscle strength training”[TW] OR “EMST”[TW] OR “expiratory strength training”[TW] OR “Strengthening exercise”[TW] OR “muscle strengthening exercises”[TW] OR “Iowa Oral Performance Instrument”[TW] OR “IOPI”[TW] OR “swallowSTRONG”[TW] OR “Togueometer”[TW] OR “falsetto”[TW] OR “gargling”[TW] OR “yawn”[TW] OR “blowing”[TW] OR “Masako’s maneuver”[TW] OR “vocal cord adduction exercise”[TW] OR “laryngeal closure exercise”[TW] OR “laryngeal elevation exercise”[TW] OR “Shaker’s exercise”[TW] OR “head raise exercise”[TW] OR “chin-tuck against resistance exercise”[TW] OR “CTAR”[TW])))) OR (“Exercise”[Mesh])) OR (“Exercise”[TW] OR “Exercises”[TW] OR “Physical Activity”[TW] OR “Activities, Physical”[TW] OR “Activity, Physical”[TW] OR “Physical Activities”[TW] OR “Exercise, Physical”[TW] OR “Exercises, Physical”[TW] OR “Physical Exercise”[TW] OR “Physical Exercises”[TW] OR “Acute Exercise”[TW] OR “Acute Exercises”[TW] OR “Exercise, Acute”[TW] OR “Exercises, Acute”[TW] OR “Exercise, Isometric”[TW] OR “Exercises,	702,471

Isometric"[TW] OR "Isometric Exercises"[TW] OR "Isometric Exercise"[TW] OR "Exercise, Aerobic"[TW] OR "Aerobic Exercise"[TW] OR "Aerobic Exercises"[TW] OR "Exercises, Aerobic"[TW] OR "Exercise Training"[TW] OR "Exercise Trainings"[TW] OR "Training, Exercise"[TW] OR "Trainings, Exercise"[TW] OR "biometric exercise"[TW] OR "effort"[TW] OR "exercise capacity"[TW] OR "exercise performance"[TW] OR "exertion"[TW] OR "fitness training"[TW] OR "physical conditioning, human"[TW] OR "physical effort"[TW] OR "physical exertion"[TW])) OR ("Exercise Therapy"[Mesh])) OR ("Exercise Therapy"[TW] OR "Remedial Exercise"[TW] OR "Exercise, Remedial"[TW] OR "Exercises, Remedial"[TW] OR "Remedial Exercises"[TW] OR "Therapy, Exercise"[TW] OR "Exercise Therapies"[TW] OR "Therapies, Exercise"[TW] OR "Rehabilitation Exercise"[TW] OR "Exercise, Rehabilitation"[TW] OR "Exercises, Rehabilitation"[TW] OR "Rehabilitation Exercises"[TW] OR "kinesiotherapy"[TW] OR "corrective exercise"[TW] OR "exercise movement techniques"[TW] OR "exercise treatment"[TW] OR "kinesiotherapeutic intervention"[TW] OR "kinesiotherapeutic method"[TW] OR "kinesiotherapeutic procedure"[TW] OR "kinesiotherapeutic technique"[TW] OR "kinesiotherapeutical treatment"[TW] OR "kinesitherapeutic exercises"[TW] OR "kinesitherapeutic intervention"[TW] OR "kinesitherapeutic method"[TW] OR "kinesitherapeutic methodology"[TW] OR "kinesitherapeutic procedure"[TW] OR "kinesitherapeutic technique"[TW] OR "kinesitherapeutic treatment"[TW] OR "kinesitherapeutical treatment"[TW] OR "kinesitherapy"[TW] OR "SKTM (specialized kinesitherapeutic methodology)"[TW] OR "specialised kinesitherapeutic methodology"[TW] OR "specialized kinesitherapeutic methodology"[TW] OR "therapeutic exercise"[TW] OR "treatment, exercise"[TW])) OR ("Muscle Strength"[Mesh])) OR ("Muscle Strength"[TW] OR "Strength, Muscle"[TW] OR "Arthrogenic Muscle Inhibition"[TW] OR "Arthrogenic Muscle Inhibitions"[TW] OR "Inhibition, Arthrogenic Muscle"[TW] OR "Muscle Inhibition, Arthrogenic"[TW] OR "dynamic strength, muscle"[TW] OR "dynamic strength, muscular"[TW] OR "force, muscle"[TW] OR "muscle dynamic strength"[TW] OR "muscle force"[TW] OR "muscle force velocity relationship"[TW] OR "muscle power"[TW] OR "muscular dynamic strength"[TW] OR "muscular force"[TW] OR "muscular power"[TW] OR "muscular strength"[TW])

- #15 (((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR ((("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW])))) AND (((((((("Resistance Training"[Mesh]) OR ("Resistance Training"[TW] OR "Training, Resistance"[TW] OR "Strength Training"[TW] OR "Training, Strength"[TW] OR "Weight-Lifting Strengthening Program"[TW] OR "Strengthening Program, Weight-Lifting"[TW] OR "Strengthening Programs, Weight-Lifting"[TW] OR "Weight Lifting Strengthening Program"[TW] OR "Weight-Lifting Strengthening Programs"[TW] OR "Weight-Lifting Exercise Program"[TW] OR "Exercise Program, Weight-Lifting"[TW] OR "Exercise Programs, Weight-Lifting"[TW] OR "Weight Lifting Exercise Programs"[TW] OR "Weight-Bearing Strengthening Program"[TW] OR "Strengthening Program, Weight-Bearing"[TW] OR "Strengthening Programs, Weight-Bearing"[TW] OR "Weight Bearing Strengthening Program"[TW] OR "Weight-Bearing Strengthening Programs"[TW] OR "Weight-Bearing Exercise Program"[TW] OR "Exercise Program, Weight-Bearing"[TW] OR "Exercise Programs, Weight-Bearing"[TW] OR "Weight Bearing Exercise Program"[TW] OR "Weight-Bearing Exercise Programs"[TW] OR "resistance exercise"[TW] OR "resistance exercise training"[TW] OR "weight bearing exercise"[TW] OR "Strength Exercise"[TW] OR "expiratory muscle strength training"[TW] OR "EMST"[TW] OR "expiratory strength training"[TW] OR "Strengthening exercise"[TW] OR "muscle strengthening exercises"[TW] OR "Iowa Oral Performance Instrument"[TW] OR "IOPI"[TW] OR "swallowSTRONG"[TW] OR "Toguemeter"[TW] OR "falsetto"[TW] OR "gargling"[TW] OR "yawn"[TW] OR "blowing"[TW] OR "Masako's maneuver"[TW] OR "vocal cord adduction exercise"[TW] OR "laryngeal closure exercise"[TW] OR "laryngeal elevation exercise"[TW] OR "Shaker's exercise"[TW] OR "head raise exercise"[TW] OR "chin-tuck against resistance exercise"[TW] OR "CTAR"[TW])) OR ("Exercise"[Mesh])) OR ("Exercise"[TW] OR "Exercises"[TW] OR "Physical Activity"[TW] OR "Activities, Physical"[TW] OR "Activity, Physical"[TW] OR "Physical Activities"[TW] OR "Exercise, Physical"[TW] OR "Exercises, Physical"[TW] OR "Physical Exercise"[TW] OR "Physical Exercises"[TW] OR "Acute Exercise"[TW] OR "Acute Exercises"[TW] OR "Exercise, Acute"[TW] OR "Exercises, Acute"[TW] OR "Exercise, Isometric"[TW] OR "Exercises, Isometric"[TW])

OR "Isometric Exercises"[TW] OR "Isometric Exercise"[TW] OR "Exercise, Aerobic"[TW] OR "Aerobic Exercise"[TW] OR "Aerobic Exercises"[TW] OR "Exercises, Aerobic"[TW] OR "Exercise Training"[TW] OR "Exercise Trainings"[TW] OR "Training, Exercise"[TW] OR "Trainings, Exercise"[TW] OR "biometric exercise"[TW] OR "effort"[TW] OR "exercise capacity"[TW] OR "exercise performance"[TW] OR "exertion"[TW] OR "fitness training"[TW] OR "physical conditioning, human"[TW] OR "physical effort"[TW] OR "physical exertion"[TW])) OR ("Exercise Therapy"[Mesh])) OR ("Exercise Therapy"[TW] OR "Remedial Exercise"[TW] OR "Exercise, Remedial"[TW] OR "Exercises, Remedial"[TW] OR "Remedial Exercises"[TW] OR "Therapy, Exercise"[TW] OR "Exercise Therapies"[TW] OR "Therapies, Exercise"[TW] OR "Rehabilitation Exercise"[TW] OR "Exercise, Rehabilitation"[TW] OR "Exercises, Rehabilitation"[TW] OR "Rehabilitation Exercises"[TW] OR "kinesiotherapy"[TW] OR "corrective exercise"[TW] OR "exercise movement techniques"[TW] OR "exercise treatment"[TW] OR "kinesiotherapeutic intervention"[TW] OR "kinesiotherapeutic method"[TW] OR "kinesiotherapeutic procedure"[TW] OR "kinesiotherapeutic technique"[TW] OR "kinesiotherapeutical treatment"[TW] OR "kinesiotherapeutic exercises"[TW] OR "kinesiotherapeutic intervention"[TW] OR "kinesiotherapeutic method"[TW] OR "kinesiotherapeutic methodology"[TW] OR "kinesiotherapeutic procedure"[TW] OR "kinesiotherapeutic technique"[TW] OR "kinesiotherapeutic treatment"[TW] OR "kinesiotherapeutical treatment"[TW] OR "kinesiotherapy"[TW] OR "SKTM (specialized kinesiotherapeutic methodology)"[TW] OR "specialised kinesiotherapeutic methodology"[TW] OR "specialized kinesiotherapeutic methodology"[TW] OR "therapeutic exercise"[TW] OR "treatment, exercise"[TW])) OR ("Muscle Strength"[Mesh])) OR ("Muscle Strength"[TW] OR "Strength, Muscle"[TW] OR "Arthrogenic Muscle Inhibition"[TW] OR "Arthrogenic Muscle Inhibitions"[TW] OR "Inhibition, Arthrogenic Muscle"[TW] OR "Muscle Inhibition, Arthrogenic"[TW] OR "dynamic strength, muscle"[TW] OR "dynamic strength, muscular"[TW] OR "force, muscle"[TW] OR "muscle dynamic strength"[TW] OR "muscle force"[TW] OR "muscle force velocity relationship"[TW] OR "muscle power"[TW] OR "muscular dynamic strength"[TW] OR "muscular force"[TW] OR "muscular power"[TW] OR "muscular strength"[TW]))

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	79,926
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopragia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	88,021
#3	"swallowing"/exp	23,730
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,234
#5	#1 OR #2 OR #3 OR #4	113,134
#6	"resistance training"/exp	20,306

#7	“Resistance Training”:ti,ab,kw,de OR “Training, Resistance”:ti,ab,kw,de OR “Strength Training”:ti,ab,kw,de OR “Training, Strength”:ti,ab,kw,de OR “Weight-Lifting Strengthening Program”:ti,ab,kw,de OR “Strengthening Program, Weight-Lifting”:ti,ab,kw,de OR “Strengthening Programs, Weight-Lifting”:ti,ab,kw,de OR “Weight Lifting Strengthening Program”:ti,ab,kw,de OR “Weight-Lifting Strengthening Programs”:ti,ab,kw,de OR “Weight-Lifting Exercise Program”:ti,ab,kw,de OR “Exercise Program, Weight-Lifting”:ti,ab,kw,de OR “Exercise Programs, Weight-Lifting”:ti,ab,kw,de OR “Weight Lifting Exercise Program”:ti,ab,kw,de OR “Weight-Lifting Exercise Programs”:ti,ab,kw,de OR “Weight-Bearing Strengthening Program”:ti,ab,kw,de OR “Strengthening Programs, Weight-Bearing”:ti,ab,kw,de OR “Weight Bearing Strengthening Program”:ti,ab,kw,de OR “Weight-Bearing Strengthening Programs”:ti,ab,kw,de OR “Weight-Bearing Exercise Program”:ti,ab,kw,de OR “Exercise Program, Weight-Bearing”:ti,ab,kw,de OR “Exercise Programs, Weight-Bearing”:ti,ab,kw,de OR “Weight Bearing Exercise Program”:ti,ab,kw,de OR “Weight-Bearing Exercise Programs”:ti,ab,kw,de OR “resistance exercise”:ti,ab,kw,de OR “resistance exercise training”:ti,ab,kw,de OR “weight bearing exercise”:ti,ab,kw,de OR “Strength Exercise”:ti,ab,kw,de OR “expiratory muscle strength training”:ti,ab,kw,de OR “EMST”:ti,ab,kw,de OR “expiratory strength training”:ti,ab,kw,de OR “Strengthening exercise”:ti,ab,kw,de OR “muscle strengthening exercises”:ti,ab,kw,de OR “Iowa Oral Performance Instrument”:ti,ab,kw,de OR “IOPI”:ti,ab,kw,de OR “swallowSTRONG”:ti,ab,kw,de OR “Togueometer”:ti,ab,kw,de OR “falsetto”:ti,ab,kw,de OR “gargling”:ti,ab,kw,de OR “yawn”:ti,ab,kw,de OR “blowing”:ti,ab,kw,de OR “Masako’s maneuver”:ti,ab,kw,de OR “vocal cord adduction exercise”:ti,ab,kw,de OR “laryngeal closure exercise”:ti,ab,kw,de OR “laryngeal elevation exercise”:ti,ab,kw,de OR “Shaker’s exercise”:ti,ab,kw,de OR “head raise exercise”:ti,ab,kw,de OR “chin-tuck against resistance exercise”:ti,ab,kw,de OR “CTAR”:ti,ab,kw,de	33,500
#8	“exercise”/exp	372,003
#9	“Exercise”:ti,ab,kw,de OR “Exercises”:ti,ab,kw,de OR “Physical Activity”:ti,ab,kw,de OR “Activities, Physical”:ti,ab,kw,de OR “Activity, Physical”:ti,ab,kw,de OR “Physical Activities”:ti,ab,kw,de OR “Exercise, Physical”:ti,ab,kw,de OR “Exercises, Physical”:ti,ab,kw,de OR “Physical Exercise”:ti,ab,kw,de OR “Physical Exercises”:ti,ab,kw,de OR “Acute Exercise”:ti,ab,kw,de OR “Acute Exercises”:ti,ab,kw,de OR “Exercise, Acute”:ti,ab,kw,de OR “Exercises, Acute”:ti,ab,kw,de OR “Exercise, Isometric”:ti,ab,kw,de OR “Exercises, Isometric”:ti,ab,kw,de OR “Isometric Exercises”:ti,ab,kw,de OR “Isometric Exercise”:ti,ab,kw,de OR “Exercise, Aerobic”:ti,ab,kw,de OR “Aerobic Exercise”:ti,ab,kw,de OR “Aerobic Exercises”:ti,ab,kw,de OR “Exercises, Aerobic”:ti,ab,kw,de OR “Exercise Training”:ti,ab,kw,de OR “Exercise Trainings”:ti,ab,kw,de OR “Training, Exercise”:ti,ab,kw,de OR “Trainings, Exercise”:ti,ab,kw,de OR “biometric exercise”:ti,ab,kw,de OR “effort”:ti,ab,kw,de OR “exercise capacity”:ti,ab,kw,de OR “exercise performance”:ti,ab,kw,de OR “exertion”:ti,ab,kw,de OR “fitness training”:ti,ab,kw,de OR “physical conditioning, human”:ti,ab,kw,de OR “physical effort”:ti,ab,kw,de OR “physical exertion”:ti,ab,kw,de	882,931
#10	“kinesiotherapy”/exp	86,506
#11	“Exercise Therapy”:ti,ab,kw,de OR “Remedial Exercise”:ti,ab,kw,de OR “Exercise, Remedial”:ti,ab,kw,de OR “Exercises, Remedial”:ti,ab,kw,de OR “Remedial Exercises”:ti,ab,kw,de OR “Therapy, Exercise”:ti,ab,kw,de OR “Exercise Therapies”:ti,ab,kw,de OR “Therapies, Exercise”:ti,ab,kw,de OR “Rehabilitation Exercise”:ti,ab,kw,de OR “Exercise, Rehabilitation”:ti,ab,kw,de OR “Exercises, Rehabilitation”:ti,ab,kw,de OR “Rehabilitation Exercises”:ti,ab,kw,de OR “kinesiotherapy”:ti,ab,kw,de OR “corrective exercise”:ti,ab,kw,de OR “exercise movement techniques”:ti,ab,kw,de OR “exercise treatment”:ti,ab,kw,de OR “kinesiotherapeutic intervention”:ti,ab,kw,de OR “kinesiotherapeutic method”:ti,ab,kw,de OR “kinesiotherapeutic procedure”:ti,ab,kw,de OR “kinesiotherapeutic technique”:ti,ab,kw,de OR “kinesiotherapeutical treatment”:ti,ab,kw,de OR “kinesiotherapeutic exercises”:ti,ab,kw,de OR “kinesiotherapeutic intervention”:ti,ab,kw,de OR “kinesiotherapeutic method”:ti,ab,kw,de OR “kinesiotherapeutic methodology”:ti,ab,kw,de OR “kinesiotherapeutic procedure”:ti,ab,kw,de OR “kinesiotherapeutic technique”:ti,ab,kw,de OR “kinesiotherapeutic treatment”:ti,ab,kw,de OR “kinesiotherapeutical treatment”:ti,ab,kw,de OR “kinesiotherapy”:ti,ab,kw,de OR “SKTM (specialized kinesiotherapeutic methodology)":ti,ab,kw,de OR “specialised kinesiotherapeutic methodology”:ti,ab,kw,de OR “specialized kinesiotherapeutic methodology”:ti,ab,kw,de OR “therapeutic exercise”:ti,ab,kw,de OR “treatment, exercise”:ti,ab,kw,de	42,563
#12	“muscle strength”/exp	75,617

#13	“Muscle Strength”:ti,ab,kw,de OR “Strength, Muscle”:ti,ab,kw,de OR “Arthrogenic Muscle Inhibition”:ti,ab,kw,de OR “Arthrogenic Muscle Inhibitions”:ti,ab,kw,de OR “Inhibition, Arthrogenic Muscle”:ti,ab,kw,de OR “Muscle Inhibition, Arthrogenic”:ti,ab,kw,de OR “dynamic strength, muscle”:ti,ab,kw,de OR “dynamic strength, muscular”:ti,ab,kw,de OR “force, muscle”:ti,ab,kw,de OR “muscle dynamic strength”:ti,ab,kw,de OR “muscle force”:ti,ab,kw,de OR “muscle force velocity relationship”:ti,ab,kw,de OR “muscle power”:ti,ab,kw,de OR “muscular dynamic strength”:ti,ab,kw,de OR “muscular force”:ti,ab,kw,de OR “muscular power”:ti,ab,kw,de OR “muscular strength”:ti,ab,kw,de	88,168
#14	#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13	976,122
#15	#5 AND #14	4,596

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,920
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,847
#3	[mh “Deglutition”]	411
#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)":ti,ab,kw OR “swallow (ingestion)":ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,049
#5	{OR #1-#4}	8,578
#6	[mh “Resistance Training”]	3,525
#7	“Resistance Training”:ti,ab,kw OR “Training, Resistance”:ti,ab,kw OR “Strength Training”:ti,ab,kw OR “Training, Strength”:ti,ab,kw OR “Weight-Lifting Strengthening Program”:ti,ab,kw OR “Strengthening Program, Weight-Lifting”:ti,ab,kw OR “Strengthening Programs, Weight-Lifting”:ti,ab,kw OR “Weight Lifting Strengthening Program”:ti,ab,kw OR “Weight-Lifting Strengthening Programs”:ti,ab,kw OR “Weight-Lifting Exercise Program”:ti,ab,kw OR “Exercise Program, Weight-Lifting”:ti,ab,kw OR “Exercise Programs, Weight-Lifting”:ti,ab,kw OR “Weight Lifting Exercise Program”:ti,ab,kw OR “Weight-Lifting Exercise Programs”:ti,ab,kw OR “Weight-Bearing Strengthening Program”:ti,ab,kw OR “Strengthening Program, Weight-Bearing”:ti,ab,kw OR “Strengthening Programs, Weight-Bearing”:ti,ab,kw OR “Weight Bearing Strengthening Program”:ti,ab,kw OR “Weight-Bearing Strengthening Programs”:ti,ab,kw OR “Weight-Bearing Exercise Program”:ti,ab,kw OR “Exercise Program, Weight-Bearing”:ti,ab,kw OR “Exercise Programs, Weight-Bearing”:ti,ab,kw OR “Weight Bearing Exercise Program”:ti,ab,kw OR “Weight-Bearing Exercise Programs”:ti,ab,kw OR “resistance exercise”:ti,ab,kw OR “resistance exercise training”:ti,ab,kw OR “weight bearing exercise”:ti,ab,kw OR “Strength Exercise”:ti,ab,kw OR “expiratory muscle strength training”:ti,ab,kw OR “EMST”:ti,ab,kw OR “expiratory strength training”:ti,ab,kw OR “Strengthening exercise”:ti,ab,kw OR “muscle strengthening exercises”:ti,ab,kw OR “Iowa Oral Performance Instrument”:ti,ab,kw OR “IOPI”:ti,ab,kw OR “swallowSTRONG”:ti,ab,kw OR “Togueometer”:ti,ab,kw OR “falsetto”:ti,ab,kw OR “gargling”:ti,ab,kw OR “yawn”:ti,ab,kw OR “blowing”:ti,ab,kw OR “Masako’s maneuver”:ti,ab,kw OR “vocal cord adduction exercise”:ti,ab,kw OR “laryngeal closure exercise”:ti,ab,kw OR “laryngeal elevation exercise”:ti,ab,kw OR “Shaker’s exercise”:ti,ab,kw OR “head raise exercise”:ti,ab,kw OR “chin-tuck against resistance exercise”:ti,ab,kw OR “CTAR”:ti,ab,kw	13,874
#8	[mh “Exercise”]	25,067

#9	“Exercise”:ti,ab,kw OR “Exercises”:ti,ab,kw OR “Physical Activity”:ti,ab,kw OR “Activities, Physical”:ti,ab,kw OR “Activity, Physical”:ti,ab,kw OR “Physical Activities”:ti,ab,kw OR “Exercise, Physical”:ti,ab,kw OR “Exercises, Physical”:ti,ab,kw OR “Physical Exercise”:ti,ab,kw OR “Physical Exercises”:ti,ab,kw OR “Acute Exercise”:ti,ab,kw OR “Acute Exercises”:ti,ab,kw OR “Exercise, Acute”:ti,ab,kw OR “Exercises, Acute”:ti,ab,kw OR “Exercise, Isometric”:ti,ab,kw OR “Exercises, Isometric”:ti,ab,kw OR “Isometric Exercises”:ti,ab,kw OR “Isometric Exercise”:ti,ab,kw OR “Exercise, Aerobic”:ti,ab,kw OR “Aerobic Exercise”:ti,ab,kw OR “Aerobic Exercises”:ti,ab,kw OR “Exercises, Aerobic”:ti,ab,kw OR “Exercise Training”:ti,ab,kw OR “Exercise Trainings”:ti,ab,kw OR “Training, Exercise”:ti,ab,kw OR “Trainings, Exercise”:ti,ab,kw OR “biometric exercise”:ti,ab,kw OR “effort”:ti,ab,kw OR “exercise capacity”:ti,ab,kw OR “exercise performance”:ti,ab,kw OR “exertion”:ti,ab,kw OR “fitness training”:ti,ab,kw OR “physical conditioning, human”:ti,ab,kw OR “physical effort”:ti,ab,kw OR “physical exertion”:ti,ab,kw	129,572
#10	[mh “Exercise Therapy”]	14,133
#11	“Exercise Therapy”:ti,ab,kw OR “Remedial Exercise”:ti,ab,kw OR “Exercise, Remedial”:ti,ab,kw OR “Exercises, Remedial”:ti,ab,kw OR “Remedial Exercises”:ti,ab,kw OR “Therapy, Exercise”:ti,ab,kw OR “Exercise Therapies”:ti,ab,kw OR “Therapies, Exercise”:ti,ab,kw OR “Rehabilitation Exercise”:ti,ab,kw OR “Exercise, Rehabilitation”:ti,ab,kw OR “Exercises, Rehabilitation”:ti,ab,kw OR “Rehabilitation Exercises”:ti,ab,kw OR “kinesiotherapy”:ti,ab,kw OR “corrective exercise”:ti,ab,kw OR “exercise movement techniques”:ti,ab,kw OR “exercise treatment”:ti,ab,kw OR “kinesiotherapeutic intervention”:ti,ab,kw OR “kinesiotherapeutic method”:ti,ab,kw OR “kinesiotherapeutic procedure”:ti,ab,kw OR “kinesiotherapeutic technique”:ti,ab,kw OR “kinesiotherapeutical treatment”:ti,ab,kw OR “kinesiotherapeutic exercises”:ti,ab,kw OR “kinesiotherapeutic intervention”:ti,ab,kw OR “kinesiotherapeutic method”:ti,ab,kw OR “kinesiotherapeutic methodology”:ti,ab,kw OR “kinesiotherapeutic procedure”:ti,ab,kw OR “kinesiotherapeutic technique”:ti,ab,kw OR “kinesiotherapeutic treatment”:ti,ab,kw OR “kinesiotherapeutical treatment”:ti,ab,kw OR “kinesiotherapy”:ti,ab,kw OR “SKTM (specialized kinesiotherapeutic methodology)":ti,ab,kw OR “specialised kinesiotherapeutic methodology”:ti,ab,kw OR “specialized kinesiotherapeutic methodology”:ti,ab,kw OR “therapeutic exercise”:ti,ab,kw OR “treatment, exercise”:ti,ab,kw	17,725
#12	[mh “Muscle Strength”]	5,764
#13	“Muscle Strength”:ti,ab,kw OR “Strength, Muscle”:ti,ab,kw OR “Arthrogenic Muscle Inhibition”:ti,ab,kw OR “Arthrogenic Muscle Inhibitions”:ti,ab,kw OR “Inhibition, Arthrogenic Muscle”:ti,ab,kw OR “Muscle Inhibition, Arthrogenic”:ti,ab,kw OR “dynamic strength, muscle”:ti,ab,kw OR “dynamic strength, muscular”:ti,ab,kw OR “force, muscle”:ti,ab,kw OR “muscle dynamic strength”:ti,ab,kw OR “muscle force”:ti,ab,kw OR “muscle force velocity relationship”:ti,ab,kw OR “muscle power”:ti,ab,kw OR “muscular dynamic strength”:ti,ab,kw OR “muscular force”:ti,ab,kw OR “muscular power”:ti,ab,kw OR “muscular strength”:ti,ab,kw	16,327
#14	{OR #6-#13}	139,807
#15	#5 AND #14	

4) KMBase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=Resistance Training] OR [ALL=Muscle Strength]) OR [ALL=Exercise]))	89
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=muscle strengthening exercise] OR [ALL=muscle strengthening exercises]) OR [ALL=Strength Exercise]))	7
#3	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=kinesiotherapy] OR [ALL=expiratory muscle strength training]) OR [ALL=EMST]) OR [ALL=Iowa Oral Performance Instrument]) OR [ALL=IOPI]))	12
#4	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=falsetto] OR [ALL=gargling]) OR [ALL=yawn]) OR [ALL=blowing]))	8
#5	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=Shaker’s exercise] OR [ALL=chin-tuck against resistance exercise]) OR [ALL=CTAR]))	4
#6	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=구강 근력강화] OR [ALL=인두 근력강화]) OR [ALL=후두 근력강화] OR [ALL=근력강화운동]))	0

#7	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((ALL=아이오와 구강 퍼포먼스 기구 OR [ALL=가성]) OR [ALL=양치]) OR [ALL=하품]) OR [ALL=휘파람]))	16
#8	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Resistance Training] OR [ALL=Muscle Strength]) OR [ALL=Exercise]))	61
#9	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=muscle strengthening exercise] OR [ALL=muscle strengthening exercises]) OR [ALL=Strength Exercise]))	4
#10	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=kinesiotherapy] OR [ALL=expiratory muscle strength training]) OR [ALL=EMST]) OR [ALL=Iowa Oral Performance Instrument]) OR [ALL=IOPI]))	9
#11	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=falsetto] OR [ALL=gargling]) OR [ALL=yawn]) OR [ALL=blowing]))	1
#12	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Shaker's exercise] OR [ALL=chin-tuck against resistance exercise]) OR [ALL=CTAR]))	2
#13	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=구강 근력강화] OR [ALL=인두 근력강화]) OR [ALL=후두 근력강화]) OR [ALL=근력강화운동]))	0
#14	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=아이오와 구강 퍼포먼스 기구 OR [ALL=가성]) OR [ALL=양치]) OR [ALL=하품]) OR [ALL=휘파람]))	18
#15	#1부터 #14까지의 Search Results 단순합계	

KQ 7. Are compensatory swallowing maneuvers effective in improving swallowing function, lowering the incidence of pneumonia, and improving quality of life?

1) PubMed

No.	Search Strategies	Search Results
#1	"Deglutition Disorders"[Mesh]	53,806
#2	"Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW]	40,523
#3	"Deglutition"[Mesh]	10,040
#4	"Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]	40,868
#5	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR ((("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]))))	86,114
#6	"Compensation and Redress"[Mesh]	3,048
#7	"Compensation and Redress"[TW] OR "Redress and Compensation"[TW] OR "Compensation"[TW] OR "Compensatory Technique"[TW]	58,260
#8	"Posture"[Mesh]	75,007
#9	"Posture"[TW] OR "Postures"[TW] OR "body position"[TW] OR "body positioning"[TW] OR "body posture"[TW] OR "position, body"[TW] OR "posture, body"[TW] OR "chin tuck"[TW] OR "chin down"[TW] OR "neck extension"[TW] OR "head extension"[TW] OR "head roatation"[TW] OR "head tilting"[TW] OR "head tilt"[TW] OR "supraglottic swallow"[TW] OR "super supraglottic swallow"[TW] OR "chin tuck maneuver"[TW] OR "chin up"[TW] OR "maneuver"[TW] OR "double swallow"[TW] OR "multiple swallow"[TW] OR "effortful swallow"[TW] OR "Mendelsohn's maneuver"[TW]	104,105
#10	"Head-Down Tilt"[Mesh]	1,739
#11	"Head-Down Tilt"[TW] OR "Head Down Tilt"[TW] OR "Tilt, Head-Down"[TW] OR "Trendelenburg Position"[TW] OR "Position, Trendelenburg"[TW]	3,139
#12	((("Compensation and Redress"[Mesh]) OR ("Compensation and Redress"[TW] OR "Redress and Compensation"[TW] OR "Compensation"[TW] OR "Compensatory Technique"[TW])) OR ((("Posture"[Mesh]) OR ("Posture"[TW] OR "Postures"[TW] OR "body position"[TW] OR "body positioning"[TW] OR "body posture"[TW] OR "position, body"[TW] OR "posture, body"[TW] OR "chin tuck"[TW] OR "chin down"[TW] OR "neck extension"[TW] OR "head extension"[TW] OR "head roatation"[TW] OR "head tilting"[TW] OR "head tilt"[TW] OR "supraglottic swallow"[TW] OR "super supraglottic swallow"[TW] OR "chin tuck maneuver"[TW] OR "chin up"[TW] OR "maneuver"[TW] OR "double swallow"[TW] OR "multiple swallow"[TW] OR "effortful swallow"[TW] OR "Mendelsohn's maneuver"[TW])))) OR ((("Head-Down Tilt"[Mesh]) OR ("Head-Down Tilt"[TW] OR "Head Down Tilt"[TW] OR "Tilt, Head-Down"[TW] OR "Trendelenburg Position"[TW] OR "Position, Trendelenburg"[TW]))))	171,423

#13	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR (("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW])))) AND (((("Compensation and Redress"[Mesh]) OR ("Compensation and Redress"[TW] OR "Redress and Compensation"[TW] OR "Compensation"[TW] OR "Compensatory Technique"[TW])) OR (("Posture"[Mesh]) OR ("Posture"[TW] OR "Postures"[TW] OR "body position"[TW] OR "body positioning"[TW] OR "body posture"[TW] OR "position, body"[TW] OR "posture, body"[TW] OR "chin tuck"[TW] OR "chin down"[TW] OR "neck extension"[TW] OR "head extension"[TW] OR "head roatation"[TW] OR "head tilting"[TW] OR "head tilt"[TW] OR "supraglottic swallow"[TW] OR "super supraglottic swallow"[TW] OR "chin tuck maneuver"[TW] OR "chin up"[TW] OR "maneuver"[TW] OR "double swallow"[TW] OR "multiple swallow"[TW] OR "effortful swallow"[TW] OR "Mendelsohn's maneuver"[TW])))) OR (("Head-Down Tilt"[Mesh]) OR ("Head-Down Tilt"[TW] OR "Head Down Tilt"[TW] OR "Tilt, Head-Down"[TW] OR "Trendelenburg Position"[TW] OR "Position, Trendelenburg"[TW]))))	1,856
-----	---	-------

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	79,938
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	88,034
#3	"swallowing"/exp	23,729
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,236
#5	#1 OR #2 OR #3 OR #4	113,150
#6	"Compensation and Redress":ti,ab,kw,de OR "Redress and Compensation":ti,ab,kw,de OR "Compensation":ti,ab,kw,de OR "Compensatory Technique":ti,ab,kw,de	68,154
#7	"body position"/exp	157,880
#8	"Posture":ti,ab,kw,de OR "Postures":ti,ab,kw,de OR "body position":ti,ab,kw,de OR "body positioning":ti,ab,kw,de OR "body posture":ti,ab,kw,de OR "position, body":ti,ab,kw,de OR "posture, body":ti,ab,kw,de OR "chin tuck":ti,ab,kw,de OR "chin down":ti,ab,kw,de OR "neck extension":ti,ab,kw,de OR "head extension":ti,ab,kw,de OR "head roatation":ti,ab,kw,de OR "head tilting":ti,ab,kw,de OR "head tilt":ti,ab,kw,de OR "supraglottic swallow":ti,ab,kw,de OR "super supraglottic swallow":ti,ab,kw,de OR "chin tuck maneuver":ti,ab,kw,de OR "chin up":ti,ab,kw,de OR "maneuver":ti,ab,kw,de OR "double swallow":ti,ab,kw,de OR "multiple swallow":ti,ab,kw,de OR "effortful swallow":ti,ab,kw,de OR "Mendelsohn's maneuver":ti,ab,kw,de	133,886
#9	"Head-Down Tilt":ti,ab,kw,de OR "Head Down Tilt":ti,ab,kw,de OR "Tilt, Head-Down":ti,ab,kw,de OR "Trendelenburg Position":ti,ab,kw,de OR "Position, Trendelenburg":ti,ab,kw,de	3,261
#10	#6 OR #7 OR #8 OR #9	272,601
#11	#5 AND #10	3,023

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh "Deglutition Disorders"]	2,920
#2	"Deglutition Disorders":ti,ab,kw OR "Deglutition Disorder":ti,ab,kw OR "Disorders, Deglutition":ti,ab,kw OR "Swallowing Disorders":ti,ab,kw OR "Swallowing Disorder":ti,ab,kw OR "Dysphagia":ti,ab,kw OR "Oropharyngeal Dysphagia":ti,ab,kw OR "Dysphagia, Oropharyngeal":ti,ab,kw OR "aphagopraxia":ti,ab,kw OR "deglutition difficulty":ti,ab,kw OR "deglutition disorder":ti,ab,kw OR "deglutition disorders":ti,ab,kw OR "difficult deglutition":ti,ab,kw OR "difficulty in swallowing":ti,ab,kw OR "difficulty swallowing":ti,ab,kw OR "dysphagias":ti,ab,kw OR "swallowing difficult":ti,ab,kw OR "swallowing difficultness":ti,ab,kw OR "swallowing difficulty":ti,ab,kw OR "swallowing disorder":ti,ab,kw OR "swallow impairment":ti,ab,kw OR "swallowing problem":ti,ab,kw OR "Swallowing Disturbance":ti,ab,kw OR "impaired swallowing":ti,ab,kw	4,847
#3	[mh "Deglutition"]	411
#4	"Deglutition":ti,ab,kw OR "Deglutitions":ti,ab,kw OR "Swallowing":ti,ab,kw OR "Swallowings":ti,ab,kw OR "oropharyngeal swallow":ti,ab,kw OR "reflex, deglutition":ti,ab,kw OR "swallow (deglutition)":ti,ab,kw OR "swallow (ingestion)":ti,ab,kw OR "swallow function":ti,ab,kw OR "swallow reflex":ti,ab,kw OR "swallowing reflex":ti,ab,kw	4,049
#5	{OR #1-#4}	8,578
#6	[mh "Compensation and Redress"]	14
#7	"Compensation and Redress":ti,ab,kw OR "Redress and Compensation":ti,ab,kw OR "Compensation":ti,ab,kw OR "Compensatory Technique":ti,ab,kw	2,160
#8	[mh "Posture"]	4,261
#9	"Posture":ti,ab,kw OR "Postures":ti,ab,kw OR "body position":ti,ab,kw OR "body positioning":ti,ab,kw OR "body posture":ti,ab,kw OR "position, body":ti,ab,kw OR "posture, body":ti,ab,kw OR "chin tuck":ti,ab,kw OR "chin down":ti,ab,kw OR "neck extension":ti,ab,kw OR "head extension":ti,ab,kw OR "head roatation":ti,ab,kw OR "head tilting":ti,ab,kw OR "head tilt":ti,ab,kw OR "supraglottic swallow":ti,ab,kw OR "super supraglottic swallow":ti,ab,kw OR "chin tuck maneuver":ti,ab,kw OR "chin up":ti,ab,kw OR "maneuver":ti,ab,kw OR "double swallow":ti,ab,kw OR "multiple swallow":ti,ab,kw OR "effortful swallow":ti,ab,kw OR "Mendelsohn's maneuver":ti,ab,kw	10,990
#10	[mh "Head-Down Tilt"]	232
#11	"Head-Down Tilt":ti,ab,kw OR "Head Down Tilt":ti,ab,kw OR "Tilt, Head-Down":ti,ab,kw OR "Trendelenburg Position":ti,ab,kw OR "Position, Trendelenburg":ti,ab,kw	696
#12	{OR #6-#11}	14,163
#13	#5 AND #12	279

4) KMBase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=Compensatory Technique] OR [ALL=Posture]) OR [ALL=Head-Down Tilt])	43
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=chin tuck] OR [ALL=chin down]))	16
#3	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=chin up] OR [ALL=neck extension]))	9
#4	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=head extension] OR [ALL=head roatation]) OR [ALL=head tilting] OR [ALL=head tilt]))	5
#5	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=supraglottic swallow] OR [ALL=maneuver]) OR [ALL=double swallow] OR [ALL=multiple swallow]))	36

#6	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing] AND ((ALL=effortful swallow] OR [ALL=Mendelsohn's maneuver]) OR [ALL=body position]))	8
#7	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing] AND (((([ALL=보상기법] OR [ALL=삼킴장애치료] OR [ALL=연하장애치료] OR [ALL=삼킴재활치료] OR [ALL=연하재활치료] OR [ALL=연하치료]))	32
#8	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing] AND (([ALL=턱당김] OR [ALL=고개돌림] OR [ALL=고개기울림] OR [ALL=성문상부 연하]))	0
#9	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing] AND ([ALL=반복삼키기] OR [ALL=힘껏삼키기]))	0
#10	((((([ALL=구인두 연하장애] OR [ALL=연하장애] OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND (([ALL=Compensatory Technique] OR [ALL=Posture]) OR [ALL=Head-Down Tilt]))	19
#11	((((([ALL=구인두 연하장애] OR [ALL=연하장애] OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ([ALL=chin tuck] OR [ALL=chin down]))	9
#12	((((([ALL=구인두 연하장애] OR [ALL=연하장애] OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ([ALL=chin up] OR [ALL=neck extension]))	3
#13	((((([ALL=구인두 연하장애] OR [ALL=연하장애] OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND (([ALL=head extension] OR [ALL=head roatation]) OR [ALL=head tilting]) OR [ALL=head tilt]))	4
#14	((((([ALL=구인두 연하장애] OR [ALL=연하장애] OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND (([ALL=supraglottic swallow] OR [ALL=maneuver]) OR [ALL=double swallow]) OR [ALL=multiple swallow]))	24
#15	((((([ALL=구인두 연하장애] OR [ALL=연하장애] OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND (([ALL=effortful swallow] OR [ALL=Mendelsohn's maneuver]) OR [ALL=body position]))	7
#16	((((([ALL=구인두 연하장애] OR [ALL=연하장애] OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=보상기법] OR [ALL=삼킴장애치료] OR [ALL=연하장애치료] OR [ALL=삼킴재활치료]))	6
#17	((((([ALL=구인두 연하장애] OR [ALL=연하장애] OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=연하재활치료] OR [ALL=연하치료] OR [ALL=턱당김] OR [ALL=고개돌림] OR [ALL=고개기울림]))	26
#18	((((([ALL=구인두 연하장애] OR [ALL=연하장애] OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND (([ALL=성문상부 연하] OR [ALL=반복삼키기] OR [ALL=힘껏삼키기]))	0
#19	#1부터 #18까지의 Search Results 단순합계	

KQ 8.1. Is surface neuromuscular electrical stimulation combined with swallowing therapy better for improving dysphagia in patients with non-progressive neurological disease compared with swallowing therapy alone?

KQ 8.2. Is surface neuromuscular electrical stimulation combined with swallowing therapy better for improving dysphagia compared with swallowing therapy alone in patients with head and neck cancer?

KQ 8.3. Does pharyngeal electrical stimulation improve swallowing function and prevent pneumonia in patients with dysphagia caused by non-progressive neurological disease?

1) PubMed

No.	Search Strategies	Search Results
#1	“Deglutition Disorders”[Mesh]	53,806
#2	“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW]	40,523
#3	“Deglutition”[Mesh]	10,040
#4	“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]	40,868
#5	((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]))	86,114
#6	“Electric Stimulation”[Mesh]	127,376
#7	“Electric Stimulation”[TW] OR “Electrical Stimulation”[TW] OR “Electrical Stimulations”[TW] OR “Stimulation, Electrical”[TW] OR “Stimulations, Electrical”[TW] OR “Stimulation, Electric”[TW] OR “Electric Stimulations”[TW] OR “Stimulations, Electric”[TW] OR “electrostimulation”[TW] OR “electric field stimulation”[TW] OR “electro stimulation”[TW] OR “electrostimulus”[TW] OR “galvanostimulation”[TW] OR “stimulation, electric”[TW] OR “Functional electrical stimulation”[TW] OR “FES”[TW] OR “Neuromuscular electrical stimulation”[TW] OR “NMES”[TW] OR “Pharyngeal electrical stimulation”[TW] OR “PES”[TW] OR “VitalStim”[TW] OR “VitalStim”[TW] OR “VitalStim Plus”[TW] OR “VitalStim Plus”[TW] OR “Phagenyx”[TW] OR “Phagenyx”[TW] OR “Aspire2”[TW] OR “Unity”[TW] OR “Unity”[TW] OR “AmpCare”[TW] OR “eSwallow”[TW]	184,920
#8	“Electric Stimulation Therapy”[Mesh]	82,629
#9	“Electric Stimulation Therapy”[TW] OR “Therapeutic Electrical Stimulation”[TW] OR “Electrical Stimulation, Therapeutic”[TW] OR “Stimulation, Therapeutic Electrical”[TW] OR “Therapeutic Electric Stimulation”[TW] OR “Electric Stimulation, Therapeutic”[TW] OR “Stimulation, Therapeutic Electric”[TW] OR “Electrical Stimulation Therapy”[TW] OR “Stimulation Therapy, Electrical”[TW] OR “Therapy, Electrical Stimulation”[TW] OR “Therapy, Electric Stimulation”[TW] OR “Stimulation Therapy, Electric”[TW] OR “Electrotherapy”[TW] OR “Interferential Current Electrotherapy”[TW] OR “Electrotherapy, Interferential Current”[TW] OR “electro therapy”[TW] OR “electrostimulation therapy”[TW]	21,770

#10	((("Electric Stimulation"[Mesh]) OR ("Electric Stimulation"[TW] OR "Electrical Stimulation"[TW] OR "Electrical Stimulations"[TW] OR "Stimulation, Electrical"[TW] OR "Stimulations, Electrical"[TW] OR "Stimulation, Electric"[TW] OR "Electric Stimulations"[TW] OR "Stimulations, Electric"[TW] OR "electrostimulation"[TW] OR "electric field stimulation"[TW] OR "electro stimulation"[TW] OR "electrostimulus"[TW] OR "galvanostimulation"[TW] OR "stimulation, electric"[TW] OR "Functional electrical stimulation"[TW] OR "FES"[TW] OR "Neuromuscular electrical stimulation"[TW] OR "NMES"[TW] OR "Pharyngeal electrical stimulation"[TW] OR "PES"[TW] OR "VitalStim"[TW] OR "VitalStim"[TW] OR "VitalStim Plus"[TW] OR "VitalStim Plus"[TW] OR "Phagenyx"[TW] OR "Phagenyx"[TW] OR "Aspire2"[TW] OR "Unity"[TW] OR "Unity"[TW] OR "AmpCare"[TW] OR "eSwallow"[TW])) OR ((("Electric Stimulation Therapy"[Mesh]) OR ("Electric Stimulation Therapy"[TW] OR "Therapeutic Electrical Stimulation"[TW] OR "Electrical Stimulation, Therapeutic"[TW] OR "Stimulation, Therapeutic Electrical"[TW] OR "Therapeutic Electric Stimulation"[TW] OR "Electric Stimulation, Therapeutic"[TW] OR "Stimulation, Therapeutic Electric"[TW] OR "Electrical Stimulation Therapy"[TW] OR "Stimulation Therapy, Electrical"[TW] OR "Therapy, Electrical Stimulation"[TW] OR "Therapy, Electric Stimulation"[TW] OR "Stimulation Therapy, Electric"[TW] OR "Electrotherapy"[TW] OR "Interferential Current Electrotherapy"[TW] OR "Electrotherapy, Interferential Current"[TW] OR "electro therapy"[TW] OR "electrostimulation therapy"[TW]))))	256,020
#11	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopragia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR ((("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW])))) AND (((("Electric Stimulation"[Mesh]) OR ("Electric Stimulation"[TW] OR "Electrical Stimulation"[TW] OR "Electrical Stimulations"[TW] OR "Stimulation, Electrical"[TW] OR "Stimulations, Electrical"[TW] OR "Stimulation, Electric"[TW] OR "Electric Stimulations"[TW] OR "Stimulations, Electric"[TW] OR "electrostimulation"[TW] OR "electric field stimulation"[TW] OR "electro stimulation"[TW] OR "electrostimulus"[TW] OR "galvanostimulation"[TW] OR "stimulation, electric"[TW] OR "Functional electrical stimulation"[TW] OR "FES"[TW] OR "Neuromuscular electrical stimulation"[TW] OR "NMES"[TW] OR "Pharyngeal electrical stimulation"[TW] OR "PES"[TW] OR "VitalStim"[TW] OR "VitalStim"[TW] OR "VitalStim Plus"[TW] OR "VitalStim Plus"[TW] OR "Phagenyx"[TW] OR "Phagenyx"[TW] OR "Aspire2"[TW] OR "Unity"[TW] OR "Unity"[TW] OR "AmpCare"[TW] OR "eSwallow"[TW])) OR ((("Electric Stimulation Therapy"[Mesh]) OR ("Electric Stimulation Therapy"[TW] OR "Therapeutic Electrical Stimulation"[TW] OR "Electrical Stimulation, Therapeutic"[TW] OR "Stimulation, Therapeutic Electrical"[TW] OR "Therapeutic Electric Stimulation"[TW] OR "Electric Stimulation, Therapeutic"[TW] OR "Stimulation, Therapeutic Electric"[TW] OR "Electrical Stimulation Therapy"[TW] OR "Stimulation Therapy, Electrical"[TW] OR "Therapy, Electrical Stimulation"[TW] OR "Therapy, Electric Stimulation"[TW] OR "Stimulation Therapy, Electric"[TW] OR "Electrotherapy"[TW] OR "Interferential Current Electrotherapy"[TW] OR "Electrotherapy, Interferential Current"[TW] OR "electro therapy"[TW] OR "electrostimulation therapy"[TW]))))	1,029

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	79,938
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopragia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	88,034

#3	“swallowing”/exp	23,729
#4	“Deglutition”:ti,ab,kw,de OR “Deglutitions”:ti,ab,kw,de OR “Swallowing”:ti,ab,kw,de OR “Swallowings”:ti,ab,kw,de OR “oropharyngeal swallow”:ti,ab,kw,de OR “reflex, deglutition”:ti,ab,kw,de OR “swallow (deglutition)”:ti,ab,kw,de OR “swallow (ingestion)”:ti,ab,kw,de OR “swallow function”:ti,ab,kw,de OR “swallow reflex”:ti,ab,kw,de OR “swallowing reflex”:ti,ab,kw,de	43,236
#5	#1 OR #2 OR #3 OR #4	113,150
#6	“electrostimulation”/exp	86,345
#7	“Electric Stimulation”:ti,ab,kw,de OR “Electrical Stimulation”:ti,ab,kw,de OR “Electrical Stimulations”:ti,ab,kw,de OR “Stimulation, Electrical”:ti,ab,kw,de OR “Stimulations, Electrical”:ti,ab,kw,de OR “Stimulation, Electric”:ti,ab,kw,de OR “Electric Stimulations”:ti,ab,kw,de OR “Stimulations, Electric”:ti,ab,kw,de OR “electrostimulation”:ti,ab,kw,de OR “electric field stimulation”:ti,ab,kw,de OR “electro stimulation”:ti,ab,kw,de OR “electrostimulus”:ti,ab,kw,de OR “galvanostimulation”:ti,ab,kw,de OR “stimulation, electric”:ti,ab,kw,de OR “Functional electrical stimulation”:ti,ab,kw,de OR “FES”:ti,ab,kw,de OR “Neuromuscular electrical stimulation”:ti,ab,kw,de OR “NMES”:ti,ab,kw,de OR “Pharyngeal electrical stimulation”:ti,ab,kw,de OR “PES”:ti,ab,kw,de OR “VitalStim”:ti,ab,kw,de OR “VitalStim”:ti,ab,kw,de OR “VitalStim Plus”:ti,ab,kw,de OR “VitalStim Plus”:ti,ab,kw,de OR “Phagenyx”:ti,ab,kw,de OR “Phagenyx”:ti,ab,kw,de OR “Aspire2”:ti,ab,kw,de OR “Unity”:ti,ab,kw,de OR “Unity”:ti,ab,kw,de OR “AmpCare”:ti,ab,kw,de OR “eSwallow”:ti,ab,kw,de	154,399
#8	“electrotherapy”/exp	269,291
#9	“Electric Stimulation Therapy”:ti,ab,kw,de OR “Therapeutic Electrical Stimulation”:ti,ab,kw,de OR “Electrical Stimulation, Therapeutic”:ti,ab,kw,de OR “Stimulation, Therapeutic Electrical”:ti,ab,kw,de OR “Therapeutic Electric Stimulation”:ti,ab,kw,de OR “Electric Stimulation, Therapeutic”:ti,ab,kw,de OR “Stimulation, Therapeutic Electric”:ti,ab,kw,de OR “Electrical Stimulation Therapy”:ti,ab,kw,de OR “Stimulation Therapy, Electrical”:ti,ab,kw,de OR “Therapy, Electrical Stimulation”:ti,ab,kw,de OR “Therapy, Electric Stimulation”:ti,ab,kw,de OR “Stimulation Therapy, Electric”:ti,ab,kw,de OR “Electrotherapy”:ti,ab,kw,de OR “Interferential Current Electrotherapy”:ti,ab,kw,de OR “Electrotherapy, Interferential Current”:ti,ab,kw,de OR “electro therapy”:ti,ab,kw,de OR “electrostimulation therapy”:ti,ab,kw,de	15,083
#10	#6 OR #7 OR #8 OR #9	395,680
#11	#5 AND #10	2,911

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,920
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,847
#3	[mh “Deglutition”]	411
#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)”:ti,ab,kw OR “swallow (ingestion)”:ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,049
#5	{OR #1-#4}	8,578
#6	[mh “Electric Stimulation”]	1,907

#7	“Electric Stimulation”:ti,ab,kw OR “Electrical Stimulation”:ti,ab,kw OR “Electrical Stimulations”:ti,ab,kw OR “Stimulation, Electrical”:ti,ab,kw OR “Stimulations, Electrical”:ti,ab,kw OR “Stimulation, Electric”:ti,ab,kw OR “Electric Stimulations”:ti,ab,kw OR “Stimulations, Electric”:ti,ab,kw OR “electrostimulation”:ti,ab,kw OR “electric field stimulation”:ti,ab,kw OR “electro stimulation”:ti,ab,kw OR “electrostimulus”:ti,ab,kw OR “galvanostimulation”:ti,ab,kw OR “stimulation, electric”:ti,ab,kw OR “Functional electrical stimulation”:ti,ab,kw OR “FES”:ti,ab,kw OR “Neuromuscular electrical stimulation”:ti,ab,kw OR “NMES”:ti,ab,kw OR “Pharyngeal electrical stimulation”:ti,ab,kw OR “PES”:ti,ab,kw OR “VitalStim”:ti,ab,kw OR “VitalStim”:ti,ab,kw OR “VitalStim Plus”:ti,ab,kw OR “VitalStim Plus”:ti,ab,kw OR “Phagenyx”:ti,ab,kw OR “Phagenyx”:ti,ab,kw OR “Aspire2”:ti,ab,kw OR “Unity”:ti,ab,kw OR “Unity”:ti,ab,kw OR “AmpCare”:ti,ab,kw OR “eSwallow”:ti,ab,kw	10,814
#8	[mh “Electric Stimulation Therapy”]	7,134
#9	“Electric Stimulation Therapy”:ti,ab,kw OR “Therapeutic Electrical Stimulation”:ti,ab,kw OR “Electrical Stimulation, Therapeutic”:ti,ab,kw OR “Stimulation, Therapeutic Electrical”:ti,ab,kw OR “Therapeutic Electric Stimulation”:ti,ab,kw OR “Electric Stimulation, Therapeutic”:ti,ab,kw OR “Stimulation, Therapeutic Electric”:ti,ab,kw OR “Electrical Stimulation Therapy”:ti,ab,kw OR “Stimulation Therapy, Electrical”:ti,ab,kw OR “Therapy, Electrical Stimulation”:ti,ab,kw OR “Therapy, Electric Stimulation”:ti,ab,kw OR “Stimulation Therapy, Electric”:ti,ab,kw OR “Electrotherapy”:ti,ab,kw OR “Interferential Current Electrotherapy”:ti,ab,kw OR “Electrotherapy, Interferential Current”:ti,ab,kw OR “electro therapy”:ti,ab,kw OR “electrostimulation therapy”:ti,ab,kw	2,828
#10	{OR #6-#9}	16,196
#11	#5 AND #10	330

4) Kmbase

No.	Search Strategies	Search Results
#1	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Electric Stimulation] OR [ALL=Electric Stimulations]) OR [ALL=Electric Stimulation Therapy]) OR [ALL=Electrical Stimulation Therapy]))	53
#2	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=Therapeutic Electrical Stimulation] OR [ALL=electrostimulation]) OR [ALL=Electrotherapy]))	0
#3	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=Functional electrical stimulation] OR [ALL=FES]))	6
#4	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=Neuromuscular electrical stimulation] OR [ALL=NMES]))	32
#5	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=Pharyngeal electrical stimulation] OR [ALL=PES]))	2
#6	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=VitalStim*] OR [ALL=Unity*]))	5
#7	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=전기자극치료] OR [ALL=전기자극]) OR [ALL=전기치료]) OR [ALL=전기요법]))	23
#8	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=기능적 전기자극] OR [ALL=신경근 전기자극]) OR [ALL=인두 전기자극]))	16
#9	(((ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR (([ALL=삼킴곤란] OR [ALL=연하]) OR [ALL=삼킴])) AND ((([ALL=Electric Stimulation] OR [ALL=Electric Stimulations]) OR [ALL=Electric Stimulation Therapy]) OR [ALL=Electrical Stimulation Therapy]))	37
#10	(((ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR (([ALL=삼킴곤란] OR [ALL=연하]) OR [ALL=삼킴])) AND (([ALL=Therapeutic Electrical Stimulation] OR [ALL=electrostimulation]) OR [ALL=Electrotherapy]))	0

#11	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR (([ALL=삼킴곤란] OR [ALL=연하]) OR [ALL=삼킴])) AND (([ALL=Functional electrical stimulation] OR [ALL=FES]))	5
#12	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR (([ALL=삼킴곤란] OR [ALL=연하]) OR [ALL=삼킴])) AND (([ALL=Neuromuscular electrical stimulation] OR [ALL=NMES]))	18
#13	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR (([ALL=삼킴곤란] OR [ALL=연하]) OR [ALL=삼킴])) AND (([ALL=Pharyngeal electrical stimulation] OR [ALL=PES]))	2
#14	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR (([ALL=삼킴곤란] OR [ALL=연하]) OR [ALL=삼킴])) AND (([ALL=VitalStim®] OR [ALL=Unity™]))	4
#15	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR (([ALL=삼킴곤란] OR [ALL=연하]) OR [ALL=삼킴])) AND ((([ALL=전기자극치료] OR [ALL=전기자극]) OR [ALL=전기치료]) OR [ALL=전기요법]))	22
#16	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR (([ALL=삼킴곤란] OR [ALL=연하]) OR [ALL=삼킴])) AND ((([ALL=기능적 전기자극] OR [ALL=신경근 전기자극]) OR [ALL=인두 전기자극]))	15
#17	#1부터 #16까지의 Search Results 단순합계	

KQ 9. Is stimulating the transient receptor potential channel with drugs effective in improving swallowing function, lowering the incidence of pneumonia, and improving the quality of life in patients with oropharyngeal dysphagia?

1) PubMed

No.	Search Strategies	Search Results
#1	"Deglutition Disorders"[Mesh]	53,989
#2	"Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW]	40,707
#3	"Deglutition"[Mesh]	10,065
#4	"Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]	41,011
#5	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR (("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW])))	86,445
#6	"Transient Receptor Potential Channels"[Mesh]	15,150
#7	"Transient Receptor Potential Channels"[TW] OR "TRP Cation Channel"[TW] OR "Cation Channel, TRP"[TW] OR "Channel, TRP Cation"[TW] OR "Transient Receptor Potential Cation Channel"[TW] OR "TRP Cation Channels"[TW] OR "Cation Channels, TRP"[TW] OR "Channels, TRP Cation"[TW] OR "TRP Membrane Proteins"[TW] OR "Membrane Proteins, TRP"[TW] OR "Proteins, TRP Membrane"[TW] OR "Transient Receptor Potential Channel"[TW] OR "Transient Receptor Potential Cation Channels"[TW] OR "pepper"[TW] OR "red pepper"[TW] OR "black pepper"[TW] OR "capsaicinoid"[TW] OR "Transient Receptor Potential Vanilloid"[TW] OR "TRPV"[TW] OR "TRPV1"[TW] OR "TRPA"[TW] OR "TRPA1"[TW] OR "TRPM"[TW] OR "TRPM8"[TW] OR "TRP"[TW]	48,282
#8	"Capsaicin"[Mesh]	10,571
#9	"Capsaicin"[TW] OR "Capsaicine"[TW] OR "8-Methyl-N-Vanillyl-6-Nonenamide"[TW] OR "8 Methyl N Vanillyl 6 Nonenamide"[TW] OR "Antiphlogistine Rub A-535 Capsaicin"[TW] OR "Axsain"[TW] OR "Zacin"[TW] OR "Capsidol"[TW] OR "Zostrix"[TW] OR "Capzasin"[TW] OR "Gelcen"[TW] OR "Katrum"[TW] OR "NGX-4010"[TW] OR "NGX 4010"[TW] OR "NGX4010"[TW] OR "Capsicum Farmaya"[TW] OR "Capsin"[TW]	15,522
#10	"piperine" [Supplementary Concept]	712
#11	"piperine"[TW] OR "(1-(5-(1,3)-benzodioxol-5-yl)-1-oxo-2,4-pentadienyl)piperidine"[TW] OR "((1-(5-(1,3)-benzodioxol-5-yl)-1-oxo-2,4-pentadienyl)piperidine"[TW] OR "1-piperoylpiperidine"[TW] OR "piperine, (E,E)-isomer"[TW] OR "piperine, (Z,Z)-isomer"[TW] OR "piperine, (E,Z)-isomer"[TW] OR "piperine, (Z,E)-isomer"[TW]	1,277
#12	"Menthol"[Mesh]	2,033

#13	“Menthol”[TW] OR “Cyclohexanol, 5-methyl-2-(1-methylethyl)-”[TW] OR “Menthol, (1alpha,2beta,5alpha)-Isomer”[TW]	3,747
#14	(((((((“Transient Receptor Potential Channels”[Mesh]) OR (“Transient Receptor Potential Channels”[TW] OR “TRP Cation Channel”[TW] OR “Cation Channel, TRP”[TW] OR “Channel, TRP Cation”[TW] OR “Transient Receptor Potential Cation Channel”[TW] OR “TRP Cation Channels”[TW] OR “Cation Channels, TRP”[TW] OR “Channels, TRP Cation”[TW] OR “TRP Membrane Proteins”[TW] OR “Membrane Proteins, TRP”[TW] OR “Proteins, TRP Membrane”[TW] OR “Transient Receptor Potential Channel”[TW] OR “Transient Receptor Potential Cation Channels”[TW] OR “pepper”[TW] OR “red pepper”[TW] OR “black pepper”[TW] OR “capsaicinoid”[TW] OR “Transient Receptor Potential Vanilloid”[TW] OR “TRPV”[TW] OR “TRPV1”[TW] OR “TRPA”[TW] OR “TRPA1”[TW] OR “TRPM”[TW] OR “TRPM8”[TW] OR “TRP”[TW])) OR (“Capsaicin”[Mesh])) OR (“Capsaicin”[TW] OR “Capsaicine”[TW] OR “8-Methyl-N-Vanillyl-6-Nonenamide”[TW] OR “8 Methyl N Vanillyl 6 Nonenamide”[TW] OR “Antiphlogistine Rub A-535 Capsaicin”[TW] OR “Axsain”[TW] OR “Zacin”[TW] OR “Capsidol”[TW] OR “Zostrix”[TW] OR “Capzasin”[TW] OR “Gelcen”[TW] OR “Katrum”[TW] OR “NGX-4010”[TW] OR “NGX 4010”[TW] OR “NGX4010”[TW] OR “Capsicum Farmaya”[TW] OR “Capsin”[TW])) OR (“piperine” [Supplementary Concept])) OR (“piperine”[TW] OR “(1-(5-(1,3)-benzodioxol-5-yl)-1-oxo-2,4-pentadienyl)piperidine”[TW] OR “((1-5-(1,3)-benzodioxol-5-yl)-1-oxo-2,4-pentadienyl)piperidine”[TW] OR “1-piperoylpiperidine”[TW] OR “piperine, (E,E)-isomer”[TW] OR “piperine, (Z,Z)-isomer”[TW] OR “piperine, (E,Z)-isomer”[TW] OR “piperine, (Z,E)-isomer”[TW])) OR (“Menthol”[Mesh])) OR (“Menthol”[TW] OR “Cyclohexanol, 5-methyl-2-(1-methylethyl)-”[TW] OR “Menthol, (1alpha,2beta,5alpha)-Isomer”[TW])	66,552
#15	#5 AND #14	175

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	“dysphagia”/exp	80,390
#2	“Deglutition Disorders”:ti,ab,kw,de OR “Deglutition Disorder”:ti,ab,kw,de OR “Disorders, Deglutition”:ti,ab,kw,de OR “Swallowing Disorders”:ti,ab,kw,de OR “Swallowing Disorder”:ti,ab,kw,de OR “Dysphagia”:ti,ab,kw,de OR “Oropharyngeal Dysphagia”:ti,ab,kw,de OR “Dysphagia, Oropharyngeal”:ti,ab,kw,de OR “aphagopraxia”:ti,ab,kw,de OR “deglutition difficulty”:ti,ab,kw,de OR “deglutition disorder”:ti,ab,kw,de OR “deglutition disorders”:ti,ab,kw,de OR “difficult deglutition”:ti,ab,kw,de OR “difficulty in swallowing”:ti,ab,kw,de OR “difficulty swallowing”:ti,ab,kw,de OR “dysphagias”:ti,ab,kw,de OR “swallowing difficult”:ti,ab,kw,de OR “swallowing difficultness”:ti,ab,kw,de OR “swallowing difficulty”:ti,ab,kw,de OR “swallowing disorder”:ti,ab,kw,de OR “swallow impairment”:ti,ab,kw,de OR “swallowing problem”:ti,ab,kw,de OR “Swallowing Disturbance”:ti,ab,kw,de OR “impaired swallowing”:ti,ab,kw,de	88,498
#3	“swallowing”/exp	23,806
#4	“Deglutition”:ti,ab,kw,de OR “Deglutitions”:ti,ab,kw,de OR “Swallowing”:ti,ab,kw,de OR “Swallowings”:ti,ab,kw,de OR “oropharyngeal swallow”:ti,ab,kw,de OR “reflex, deglutition”:ti,ab,kw,de OR “swallow (deglutition)":ti,ab,kw,de OR “swallow (ingestion)":ti,ab,kw,de OR “swallow function”:ti,ab,kw,de OR “swallow reflex”:ti,ab,kw,de OR “swallowing reflex”:ti,ab,kw,de	43,413
#5	#1 OR #2 OR #3 OR #4	113,712
#6	“transient receptor potential channel”/exp	28,906
#7	“Transient Receptor Potential Channels”:ti,ab,kw,de OR “TRP Cation Channel”:ti,ab,kw,de OR “Cation Channel, TRP”:ti,ab,kw,de OR “Channel, TRP Cation”:ti,ab,kw,de OR “Transient Receptor Potential Cation Channel”:ti,ab,kw,de OR “TRP Cation Channels”:ti,ab,kw,de OR “Cation Channels, TRP”:ti,ab,kw,de OR “Channels, TRP Cation”:ti,ab,kw,de OR “TRP Membrane Proteins”:ti,ab,kw,de OR “Membrane Proteins, TRP”:ti,ab,kw,de OR “Proteins, TRP Membrane”:ti,ab,kw,de OR “Transient Receptor Potential Channel”:ti,ab,kw,de OR “Transient Receptor Potential Cation Channels”:ti,ab,kw,de OR “pepper”:ti,ab,kw,de OR “red pepper”:ti,ab,kw,de OR “black pepper”:ti,ab,kw,de OR “capsaicinoid”:ti,ab,kw,de OR “Transient Receptor Potential Vanilloid”:ti,ab,kw,de OR “TRPV”:ti,ab,kw,de OR “TRPV1”:ti,ab,kw,de OR “TRPA”:ti,ab,kw,de OR “TRPA1”:ti,ab,kw,de OR “TRPM”:ti,ab,kw,de OR “TRPM8”:ti,ab,kw,de OR “TRP”:ti,ab,kw,de	64,258
#8	“capsaicin”/exp	21,174

#9	“Capsaicin”:ti,ab,kw,de OR “Capsaicine”:ti,ab,kw,de OR “8-Methyl-N-Vanillyl-6-Nonenamide”:ti,ab,kw,de OR “8 Methyl N Vanillyl 6 Nonenamide”:ti,ab,kw,de OR “Antiphlogistine Rub A-535 Capsaicin”:ti,ab,kw,de OR “Axsain”:ti,ab,kw,de OR “Zacin”:ti,ab,kw,de OR “Capsidol”:ti,ab,kw,de OR “Zostrix”:ti,ab,kw,de OR “Capzasin”:ti,ab,kw,de OR “Gelcen”:ti,ab,kw,de OR “Katrum”:ti,ab,kw,de OR “NGX-4010”:ti,ab,kw,de OR “NGX 4010”:ti,ab,kw,de OR “NGX4010”:ti,ab,kw,de OR “Capsicum Farmaya”:ti,ab,kw,de OR “Capsin”:ti,ab,kw,de	24,158
#10	“piperine”/exp	2,176
#11	“piperine”:ti,ab,kw,de OR “(1-(5-(1,3)-benzodioxol-5-yl)-1-oxo-2,4-pentadienyl)piperidine”:ti,ab,kw,de OR “((1-5-(1,3)-benzodioxol-5-yl)-1-oxo-2,4-pentadienyl)piperidine”:ti,ab,kw,de OR “1-piperoylpiperidine”:ti,ab,kw,de OR “piperine, (E,E)-isomer”:ti,ab,kw,de OR “piperine, (Z,Z)-isomer”:ti,ab,kw,de OR “piperine, (E,Z)-isomer”:ti,ab,kw,de OR “piperine, (Z,E)-isomer”:ti,ab,kw,de	2,380
#12	“menthol”/exp	5,368
#13	“Menthol”:ti,ab,kw,de OR “Cyclohexanol, 5-methyl-2-(1-methylethyl)-”:ti,ab,kw,de OR “Menthol, (1alpha,2beta,5alpha)-Isomer”:ti,ab,kw,de	6,480
#14	#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13	94,501
#15	#5 AND #14	291

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,929
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,897
#3	[mh “Deglutition”]	412
#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)":ti,ab,kw OR “swallow (ingestion)":ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,094
#5	{OR #1-#4}	8,656
#6	[mh “Transient Receptor Potential Channels”]	80
#7	“Transient Receptor Potential Channels”:ti,ab,kw OR “TRP Cation Channel”:ti,ab,kw OR “Cation Channel, TRP”:ti,ab,kw OR “Channel, TRP Cation”:ti,ab,kw OR “Transient Receptor Potential Cation Channel”:ti,ab,kw OR “TRP Cation Channels”:ti,ab,kw OR “Cation Channels, TRP”:ti,ab,kw OR “Channels, TRP Cation”:ti,ab,kw OR “TRP Membrane Proteins”:ti,ab,kw OR “Membrane Proteins, TRP”:ti,ab,kw OR “Proteins, TRP Membrane”:ti,ab,kw OR “Transient Receptor Potential Channel”:ti,ab,kw OR “Transient Receptor Potential Cation Channels”:ti,ab,kw OR “pepper”:ti,ab,kw OR “red pepper”:ti,ab,kw OR “black pepper”:ti,ab,kw OR “capsaicinoid”:ti,ab,kw OR “Transient Receptor Potential Vanilloid”:ti,ab,kw OR “TRPV”:ti,ab,kw OR “TRPV1”:ti,ab,kw OR “TRPA”:ti,ab,kw OR “TRPA1”:ti,ab,kw OR “TRPM”:ti,ab,kw OR “TRPM8”:ti,ab,kw OR “TRP”:ti,ab,kw	1,164
#8	[mh “Capsaicin”]	617
#9	“Capsaicin”:ti,ab,kw OR “Capsaicine”:ti,ab,kw OR “8-Methyl-N-Vanillyl-6-Nonenamide”:ti,ab,kw OR “8 Methyl N Vanillyl 6 Nonenamide”:ti,ab,kw OR “Antiphlogistine Rub A-535 Capsaicin”:ti,ab,kw OR “Axsain”:ti,ab,kw OR “Zacin”:ti,ab,kw OR “Capsidol”:ti,ab,kw OR “Zostrix”:ti,ab,kw OR “Capzasin”:ti,ab,kw OR “Gelcen”:ti,ab,kw OR “Katrum”:ti,ab,kw OR “NGX-4010”:ti,ab,kw OR “NGX 4010”:ti,ab,kw OR “NGX4010”:ti,ab,kw OR “Capsicum Farmaya”:ti,ab,kw OR “Capsin”:ti,ab,kw	1,345

#10	“piperine”:ti,ab,kw OR “(1-(5-(1,3)-benzodioxol-5-yl)-1-oxo-2,4-pentadienyl)piperidine”:ti,ab,kw OR “((1-5-(1,3)-benzodioxol-5-yl)-1-oxo-2,4-pentadienyl)piperidine”:ti,ab,kw OR “1-piperoylpiperidine”:ti,ab,kw OR “piperine, (E,E)-isomer”:ti,ab,kw OR “piperine, (Z,Z)-isomer”:ti,ab,kw OR “piperine, (E,Z)-isomer”:ti,ab,kw OR “piperine, (Z,E)-isomer”:ti,ab,kw	118
#11	[mh “Menthol”]	348
#12	“Menthol”:ti,ab,kw OR “Cyclohexanol, 5-methyl-2-(1-methylethyl)-”:ti,ab,kw OR “Menthol, (1alpha,2beta,5alpha)-Isomer”:ti,ab,kw	667
#13	{OR #6-#12}	3,032
#14	#5 AND #13	75

4) Kibase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=Transient Receptor Potential] OR [ALL=pepper]) OR [ALL=capsaicinoid] OR [ALL=TRP]))	4
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Capsaicin] OR [ALL=Capsaicine]) OR [ALL=Capsin]) OR [ALL=piperine]) OR [ALL=Menthol]))	1
#3	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=약물] OR [ALL=일시적 수용체 전위]) OR [ALL=캡사이신]) OR [ALL=후추]))	22
#4	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=고추] OR [ALL=피페린]) OR [ALL=멘솔]) OR [ALL=멘톨]))	1
#5	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=Transient Receptor Potential] OR [ALL=pepper]) OR [ALL=capsaicinoid]) OR [ALL=TRP]))	3
#6	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=Capsaicin] OR [ALL=Capsaicine]) OR [ALL=Capsin]) OR [ALL=piperine]) OR [ALL=Menthol]))	0
#7	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=약물] OR [ALL=일시적 수용체 전위]) OR [ALL=캡사이신]) OR [ALL=후추]))	32
#8	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=고추] OR [ALL=피페린]) OR [ALL=멘솔]) OR [ALL=멘톨]))	1
#9	#1부터 #8까지의 Search Results 단순합계	

KQ 10. Is biofeedback training effective for improving swallowing function, lowering the incidence of pneumonia, and improving quality of life?

1) PubMed

No.	Search Strategies	Search Results
#1	“Deglutition Disorders”[Mesh]	53,806
#2	“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW]	40,523
#3	“Deglutition”[Mesh]	10,040
#4	“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]	40,868
#5	((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]))	86,114
#6	“Biofeedback, Psychology”[Mesh]	11,581
#7	“Biofeedback, Psychology”[TW] OR “Biofeedbacks, Psychology”[TW] OR “Psychology Biofeedback”[TW] OR “Psychology Biofeedbacks”[TW] OR “Psychophysiologic Feedback”[TW] OR “Feedback, Psychophysiologic”[TW] OR “Feedback, Psychophysiological”[TW] OR “Biofeedback”[TW] OR “Biofeedbacks”[TW] OR “Biofeedback (Psychology)”[TW] OR “Biofeedbacks (Psychology)”[TW] OR “Myofeedback”[TW] OR “Myofeedbacks”[TW] OR “False Physiological Feedback”[TW] OR “False Physiological Feedbacks”[TW] OR “Feedback, False Physiological”[TW] OR “Feedbacks, False Physiological”[TW] OR “Physiological Feedback, False”[TW] OR “Physiological Feedbacks, False”[TW] OR “Bogus Physiological Feedback”[TW] OR “Bogus Physiological Feedbacks”[TW] OR “Feedback, Bogus Physiological”[TW] OR “Feedbacks, Bogus Physiological”[TW] OR “Physiological Feedback, Bogus”[TW] OR “Physiological Feedbacks, Bogus”[TW] OR “bio feed back”[TW] OR “bio-feedback”[TW] OR “biofeed-back”[TW] OR “biofeedback system”[TW] OR “myobiofeedback”[TW] OR “psychophysiological feedback”[TW] OR “acoustic”[TW] OR “visual”[TW]	644,650
#8	“Feedback”[Mesh]	30,244
#9	“Feedback”[TW] OR “Feedbacks”[TW] OR “feedback system”[TW] OR “feed back control”[TW] OR “feedback control system”[TW] OR “feed back system”[TW] OR “feed back mechanism”[TW] OR “feedback mechanism”[TW]	167,424
#10	“Feedback, Sensory”[Mesh]	3,339
#11	“Feedback, Sensory”[TW] OR “Feedbacks, Sensory”[TW] OR “Sensory Feedback”[TW] OR “Sensory Feedbacks”[TW] OR “Visual Feedback”[TW] OR “Feedback, Visual”[TW] OR “Feedbacks, Visual”[TW] OR “Visual Feedbacks”[TW] OR “Sensorimotor Feedback”[TW] OR “Feedback, Sensorimotor”[TW] OR “Feedbacks, Sensorimotor”[TW] OR “Sensorimotor Feedbacks”[TW] OR “Audio Feedback”[TW] OR “Audio Feedbacks”[TW] OR “Feedback, Audio”[TW] OR “Feedbacks, Audio”[TW] OR “Proprioceptive Feedback”[TW] OR “Feedback, Proprioceptive”[TW] OR “Feedbacks, Proprioceptive”[TW] OR “Proprioceptive Feedbacks”[TW]	9,293

#12	"Feedback, Physiological"[Mesh]	12,886
#13	"Feedback, Physiological"[TW] OR "Feedbacks, Physiological"[TW] OR "Physiological Feedback"[TW] OR "Physiological Feedbacks"[TW] OR "Negative Feedback, Biochemical"[TW] OR "Biochemical Negative Feedback"[TW] OR "Biochemical Negative Feedbacks"[TW] OR "Feedback, Biochemical Negative"[TW] OR "Feedbacks, Biochemical Negative"[TW] OR "Negative Feedbacks, Biochemical"[TW] OR "Feedback Inhibition, Biochemical"[TW] OR "Biochemical Feedback Inhibition"[TW] OR "Biochemical Feedback Inhibitions"[TW] OR "Feedback Inhibitions, Biochemical"[TW] OR "Inhibition, Biochemical Feedback"[TW] OR "Inhibitions, Biochemical Feedback"[TW] OR "Positive Feedback, Biochemical"[TW] OR "Biochemical Positive Feedback"[TW] OR "Biochemical Positive Feedbacks"[TW] OR "Feedback, Biochemical Positive"[TW] OR "Feedbacks, Biochemical Positive"[TW] OR "Positive Feedbacks, Biochemical"[TW] OR "Feedback Stimulation, Biochemical"[TW] OR "Biochemical Feedback Stimulation"[TW] OR "Biochemical Feedback Stimulations"[TW] OR "Feedback Stimulations, Biochemical"[TW] OR "Stimulation, Biochemical Feedback"[TW] OR "Stimulations, Biochemical Feedback"[TW] OR "Feedback, Biochemical"[TW] OR "Biochemical Feedback"[TW] OR "Biochemical Feedbacks"[TW] OR "Feedbacks, Biochemical"[TW] OR "Feedback Regulation, Biochemical"[TW] OR "Biochemical Feedback Regulation"[TW] OR "Biochemical Feedback Regulations"[TW] OR "Feedback Regulations, Biochemical"[TW] OR "Regulation, Biochemical Feedback"[TW] OR "Regulations, Biochemical Feedback"[TW]	9,775
#14	((("Biofeedback, Psychology"[Mesh]) OR ("Biofeedback, Psychology"[TW] OR "Biofeedbacks, Psychology"[TW] OR "Psychology Biofeedback"[TW] OR "Psychology Biofeedbacks"[TW] OR "Psychophysiologic Feedback"[TW] OR "Feedback, Psychophysiologic"[TW] OR "Feedback, Psychophysiologic"[TW] OR "Biofeedback"[TW] OR "Biofeedbacks"[TW] OR "Biofeedback (Psychology)"[TW] OR "Biofeedbacks (Psychology)"[TW] OR "Myofeedback"[TW] OR "Myofeedbacks"[TW] OR "False Physiological Feedback"[TW] OR "False Physiological Feedbacks"[TW] OR "Feedback, False Physiological"[TW] OR "Feedbacks, False Physiological"[TW] OR "Physiological Feedback, False"[TW] OR "Physiological Feedbacks, False"[TW] OR "Bogus Physiological Feedback"[TW] OR "Bogus Physiological Feedbacks"[TW] OR "Feedback, Bogus Physiological"[TW] OR "Feedbacks, Bogus Physiological"[TW] OR "Physiological Feedback, Bogus"[TW] OR "Physiological Feedbacks, Bogus"[TW] OR "bio feed back"[TW] OR "bio-feedback"[TW] OR "biofeed-back"[TW] OR "biofeedback system"[TW] OR "myobiofeedback"[TW] OR "psychophysiological feedback"[TW] OR "acoustic"[TW] OR "visual"[TW])) OR ("Feedback"[Mesh]) OR ("Feedback"[TW] OR "Feedbacks"[TW] OR "feedback system"[TW] OR "feed back control"[TW] OR "feedback control system"[TW] OR "feed back system"[TW] OR "feed back mechanism"[TW] OR "feedback mechanism"[TW])) OR (("Feedback, Sensory"[Mesh]) OR "Feedback, Sensory"[TW] OR "Feedbacks, Sensory"[TW] OR "Sensory Feedback"[TW] OR "Sensory Feedbacks"[TW] OR "Visual Feedback"[TW] OR "Feedback, Visual"[TW] OR "Feedbacks, Visual"[TW] OR "Visual Feedbacks"[TW] OR "Sensorimotor Feedback"[TW] OR "Feedback, Sensorimotor"[TW] OR "Feedbacks, Sensorimotor"[TW] OR "Sensorimotor Feedbacks"[TW] OR "Audio Feedback"[TW] OR "Audio Feedbacks"[TW] OR "Feedback, Audio"[TW] OR "Feedbacks, Audio"[TW] OR "Proprioceptive Feedback"[TW] OR "Feedback, Proprioceptive"[TW] OR "Feedbacks, Proprioceptive"[TW] OR "Proprioceptive Feedbacks"[TW])) OR (("Feedback, Physiological"[Mesh]) OR ("Feedback, Physiological"[TW] OR "Feedbacks, Physiological"[TW] OR "Physiological Feedback"[TW] OR "Physiological Feedbacks"[TW] OR "Negative Feedback, Biochemical"[TW] OR "Biochemical Negative Feedback"[TW] OR "Biochemical Negative Feedbacks"[TW] OR "Feedback, Biochemical Negative"[TW] OR "Feedbacks, Biochemical Negative"[TW] OR "Negative Feedbacks, Biochemical"[TW] OR "Feedback Inhibition, Biochemical"[TW] OR "Biochemical Feedback Inhibition"[TW] OR "Biochemical Feedback Inhibitions"[TW] OR "Feedback Inhibitions, Biochemical"[TW] OR "Inhibition, Biochemical Feedback"[TW] OR "Inhibitions, Biochemical Feedback"[TW] OR "Positive Feedback, Biochemical"[TW] OR "Biochemical Positive Feedbacks"[TW] OR "Feedback, Biochemical Positive"[TW] OR "Feedbacks, Biochemical Positive"[TW] OR "Positive Feedbacks, Biochemical"[TW] OR "Feedback Stimulation, Biochemical"[TW] OR "Biochemical Feedback Stimulation"[TW] OR "Biochemical Feedback Stimulations"[TW] OR "Feedback Stimulations, Biochemical"[TW] OR "Stimulation, Biochemical Feedback"[TW] OR "Stimulations, Biochemical Feedback"[TW] OR "Feedback, Biochemical"[TW] OR "Biochemical Feedback"[TW] OR "Biochemical Feedbacks"[TW] OR "Feedbacks, Biochemical"[TW] OR "Feedback Regulation, Biochemical"[TW] OR "Biochemical Feedback Regulation"[TW] OR "Biochemical Feedback Regulations"[TW] OR "Feedback Regulations, Biochemical"[TW] OR "Regulation, Biochemical Feedback"[TW] OR "Regulations, Biochemical Feedback"[TW]))	796,332

- #15 (((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW])) AND (((“Biofeedback, Psychology”[Mesh]) OR (“Biofeedback, Psychology”[TW] OR “Biofeedbacks, Psychology”[TW] OR “Psychology Biofeedback”[TW] OR “Psychology Biofeedbacks”[TW] OR “Psychophysiological Feedback”[TW] OR “Feedback, Psychophysiological”[TW] OR “Feedback, Psychophysiological”[TW] OR “Biofeedback”[TW] OR “Biofeedbacks”[TW] OR “Biofeedback (Psychology)”[TW] OR “Biofeedbacks (Psychology)”[TW] OR “Myofeedback”[TW] OR “Myofeedbacks”[TW] OR “False Physiological Feedback”[TW] OR “False Physiological Feedbacks”[TW] OR “Feedback, False Physiological”[TW] OR “Feedbacks, False Physiological”[TW] OR “Physiological Feedback, False”[TW] OR “Physiological Feedbacks, False”[TW] OR “Bogus Physiological Feedback”[TW] OR “Bogus Physiological Feedbacks”[TW] OR “Feedback, Bogus Physiological”[TW] OR “Feedbacks, Bogus Physiological”[TW] OR “Physiological Feedback, Bogus”[TW] OR “Physiological Feedbacks, Bogus”[TW] OR “bio feed back”[TW] OR “bio-feedback”[TW] OR “biofeed-back”[TW] OR “biofeedback system”[TW] OR “myobiofeedback”[TW] OR “psychophysiological feedback”[TW] OR “acoustic”[TW] OR “visual”[TW])) OR ((“Feedback”[Mesh]) OR (“Feedback”[TW] OR “Feedbacks”[TW] OR “feedback system”[TW] OR “feed back control”[TW] OR “feedback control system”[TW] OR “feed back system”[TW] OR “feed back mechanism”[TW] OR “feedback mechanism”[TW])) OR ((“Feedback, Sensory”[Mesh]) OR (“Feedback, Sensory”[TW] OR “Feedbacks, Sensory”[TW] OR “Sensory Feedback”[TW] OR “Sensory Feedbacks”[TW] OR “Visual Feedback”[TW] OR “Feedback, Visual”[TW] OR “Feedbacks, Visual”[TW] OR “Visual Feedbacks”[TW] OR “Sensorimotor Feedback”[TW] OR “Feedback, Sensorimotor”[TW] OR “Feedbacks, Sensorimotor”[TW] OR “Sensorimotor Feedbacks”[TW] OR “Audio Feedback”[TW] OR “Audio Feedbacks”[TW] OR “Feedback, Audio”[TW] OR “Feedbacks, Audio”[TW] OR “Proprioceptive Feedback”[TW] OR “Feedback, Proprioceptive”[TW] OR “Feedbacks, Proprioceptive”[TW] OR “Proprioceptive Feedbacks”[TW])) OR ((“Feedback, Physiological”[Mesh]) OR (“Feedback, Physiological”[TW] OR “Feedbacks, Physiological”[TW] OR “Physiological Feedback”[TW] OR “Physiological Feedbacks”[TW] OR “Negative Feedback, Biochemical”[TW] OR “Biochemical Negative Feedback”[TW] OR “Biochemical Negative Feedbacks”[TW] OR “Feedback, Biochemical Negative”[TW] OR “Feedbacks, Biochemical Negative”[TW] OR “Negative Feedbacks, Biochemical”[TW] OR “Feedback Inhibition, Biochemical”[TW] OR “Biochemical Feedback Inhibition”[TW] OR “Biochemical Feedback Inhibitions”[TW] OR “Feedback Inhibitions, Biochemical”[TW] OR “Inhibition, Biochemical Feedback”[TW] OR “Inhibitions, Biochemical Feedback”[TW] OR “Positive Feedback, Biochemical”[TW] OR “Biochemical Positive Feedback”[TW] OR “Biochemical Positive Feedbacks”[TW] OR “Feedback, Biochemical Positive”[TW] OR “Feedbacks, Biochemical Positive”[TW] OR “Positive Feedbacks, Biochemical”[TW] OR “Feedback Stimulation, Biochemical”[TW] OR “Biochemical Feedback Stimulation”[TW] OR “Biochemical Feedback Stimulations”[TW] OR “Feedback Stimulations, Biochemical”[TW] OR “Stimulation, Biochemical Feedback”[TW] OR “Stimulations, Biochemical Feedback”[TW] OR “Feedback, Biochemical”[TW] OR “Biochemical Feedback”[TW] OR “Biochemical Feedbacks”[TW] OR “Feedbacks, Biochemical”[TW] OR “Feedback Regulation, Biochemical”[TW] OR “Biochemical Feedback Regulation”[TW] OR “Biochemical Feedback Regulations”[TW] OR “Feedback Regulations, Biochemical”[TW] OR “Regulation, Biochemical Feedback”[TW] OR “Regulations, Biochemical Feedback”[TW]))))

1,834

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	79,938
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	88,034
#3	"swallowing"/exp	23,729
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,236
#5	#1 OR #2 OR #3 OR #4	113,150
#6	"biofeedback"/exp	5,585
#7	"Biofeedback, Psychology":ti,ab,kw,de OR "Biofeedbacks, Psychology":ti,ab,kw,de OR "Psychology Biofeedback":ti,ab,kw,de OR "Psychology Biofeedbacks":ti,ab,kw,de OR "Psychophysiologic Feedback":ti,ab,kw,de OR "Feedback, Psychophysiologic":ti,ab,kw,de OR "Feedback, Psychophysiologic":ti,ab,kw,de OR "Biofeedback":ti,ab,kw,de OR "Biofeedbacks":ti,ab,kw,de OR "Biofeedback (Psychology)":ti,ab,kw,de OR "Biofeedbacks (Psychology)":ti,ab,kw,de OR "Myofeedback":ti,ab,kw,de OR "Myofeedbacks":ti,ab,kw,de OR "False Physiological Feedback":ti,ab,kw,de OR "False Physiological Feedbacks":ti,ab,kw,de OR "Feedback, False Physiological":ti,ab,kw,de OR "Feedbacks, False Physiological":ti,ab,kw,de OR "Physiological Feedback, False":ti,ab,kw,de OR "Physiological Feedbacks, False":ti,ab,kw,de OR "Bogus Physiological Feedback":ti,ab,kw,de OR "Bogus Physiological Feedbacks":ti,ab,kw,de OR "Feedback, Bogus Physiological":ti,ab,kw,de OR "Feedbacks, Bogus Physiological":ti,ab,kw,de OR "Physiological Feedback, Bogus":ti,ab,kw,de OR "Physiological Feedbacks, Bogus":ti,ab,kw,de OR "bio feed back":ti,ab,kw,de OR "bio-feedback":ti,ab,kw,de OR "biofeed-back":ti,ab,kw,de OR "biofeedback system":ti,ab,kw,de OR "myobiofeedback":ti,ab,kw,de OR "psychophysiological feedback":ti,ab,kw,de OR "acoustic":ti,ab,kw,de OR "visual":ti,ab,kw,de	917,642
#8	"feedback system"/exp	124,274
#9	"Feedback":ti,ab,kw,de OR "Feedbacks":ti,ab,kw,de OR "feedback system":ti,ab,kw,de OR "feed back control":ti,ab,kw,de OR "feedback control system":ti,ab,kw,de OR "feed back system":ti,ab,kw,de OR "feed back mechanism":ti,ab,kw,de OR "feedback mechanism":ti,ab,kw,de	232,350
#10	"sensory feedback"/exp	9,058
#11	"Feedback, Sensory":ti,ab,kw,de OR "Feedbacks, Sensory":ti,ab,kw,de OR "Sensory Feedback":ti,ab,kw,de OR "Sensory Feedbacks":ti,ab,kw,de OR "Visual Feedback":ti,ab,kw,de OR "Feedback, Visual":ti,ab,kw,de OR "Feedbacks, Visual":ti,ab,kw,de OR "Visual Feedbacks":ti,ab,kw,de OR "Sensorimotor Feedback":ti,ab,kw,de OR "Feedback, Sensorimotor":ti,ab,kw,de OR "Feedbacks, Sensorimotor":ti,ab,kw,de OR "Sensorimotor Feedbacks":ti,ab,kw,de OR "Audio Feedback":ti,ab,kw,de OR "Audio Feedbacks":ti,ab,kw,de OR "Feedback, Audio":ti,ab,kw,de OR "Feedbacks, Audio":ti,ab,kw,de OR "Proprioceptive Feedback":ti,ab,kw,de OR "Feedback, Proprioceptive":ti,ab,kw,de OR "Feedbacks, Proprioceptive":ti,ab,kw,de OR "Proprioceptive Feedbacks":ti,ab,kw,de	11,829
#12	"physiological feedback"/exp	530

#13	“Feedback, Physiological”:ti,ab,kw,de OR “Feedbacks, Physiological”:ti,ab,kw,de OR “Physiological Feedback”:ti,ab,kw,de OR “Physiological Feedbacks”:ti,ab,kw,de OR “Negative Feedback, Biochemical”:ti,ab,kw,de OR “Biochemical Negative Feedback”:ti,ab,kw,de OR “Biochemical Negative Feedbacks”:ti,ab,kw,de OR “Feedback, Biochemical Negative”:ti,ab,kw,de OR “Feedbacks, Biochemical Negative”:ti,ab,kw,de OR “Negative Feedbacks, Biochemical”:ti,ab,kw,de OR “Feedback Inhibition, Biochemical”:ti,ab,kw,de OR “Biochemical Feedback Inhibition”:ti,ab,kw,de OR “Biochemical Feedback Inhibitions”:ti,ab,kw,de OR “Feedback Inhibitions, Biochemical”:ti,ab,kw,de OR “Inhibition, Biochemical Feedback”:ti,ab,kw,de OR “Positive Feedback, Biochemical”:ti,ab,kw,de OR “Biochemical Positive Feedback”:ti,ab,kw,de OR “Biochemical Positive Feedbacks”:ti,ab,kw,de OR “Feedback, Biochemical Positive”:ti,ab,kw,de OR “Feedbacks, Biochemical Positive”:ti,ab,kw,de OR “Positive Feedbacks, Biochemical”:ti,ab,kw,de OR “Feedback Stimulation, Biochemical”:ti,ab,kw,de OR “Biochemical Feedback Stimulation”:ti,ab,kw,de OR “Biochemical Feedback Stimulations”:ti,ab,kw,de OR “Feedback Stimulations, Biochemical”:ti,ab,kw,de OR “Stimulation, Biochemical Feedback”:ti,ab,kw,de OR “Stimulations, Biochemical Feedback”:ti,ab,kw,de OR “Feedback, Biochemical”:ti,ab,kw,de OR “Biochemical Feedback”:ti,ab,kw,de OR “Biochemical Feedbacks”:ti,ab,kw,de OR “Feedbacks, Biochemical”:ti,ab,kw,de OR “Feedback Regulation, Biochemical”:ti,ab,kw,de OR “Biochemical Feedback Regulation”:ti,ab,kw,de OR “Biochemical Feedback Regulations”:ti,ab,kw,de OR “Feedback Regulations, Biochemical”:ti,ab,kw,de OR “Regulation, Biochemical Feedback”:ti,ab,kw,de OR “Regulations, Biochemical Feedback”:ti,ab,kw,de	793
#14	#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13	1,127,498
#15	#5 AND #14	4,584

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,920
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,847
#3	[mh “Deglutition”]	411
#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)":ti,ab,kw OR “swallow (ingestion)":ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,049
#5	{OR #1-#4}	8,578
#6	[mh “Biofeedback, Psychology”]	1,405
#7	“Biofeedback, Psychology”:ti,ab,kw OR “Biofeedbacks, Psychology”:ti,ab,kw OR “Psychology Biofeedback”:ti,ab,kw OR “Psychology Biofeedbacks”:ti,ab,kw OR “Psychophysiological Feedback”:ti,ab,kw OR “Feedback, Psychophysiological”:ti,ab,kw OR “Biofeedback”:ti,ab,kw OR “Biofeedbacks”:ti,ab,kw OR “Biofeedback (Psychology)":ti,ab,kw OR “Biofeedbacks (Psychology)":ti,ab,kw OR “Myofeedback”:ti,ab,kw OR “Myofeedbacks”:ti,ab,kw OR “False Physiological Feedback”:ti,ab,kw OR “False Physiological Feedbacks”:ti,ab,kw OR “Feedback, False Physiological”:ti,ab,kw OR “Feedbacks, False Physiological”:ti,ab,kw OR “Physiological Feedback, False”:ti,ab,kw OR “Physiological Feedbacks, False”:ti,ab,kw OR “Bogus Physiological Feedback”:ti,ab,kw OR “Bogus Physiological Feedbacks”:ti,ab,kw OR “Feedback, Bogus Physiological”:ti,ab,kw OR “Feedbacks, Bogus Physiological”:ti,ab,kw OR “Physiological Feedback, Bogus”:ti,ab,kw OR “Physiological Feedbacks, Bogus”:ti,ab,kw OR “bio feed back”:ti,ab,kw OR “bio feedback”:ti,ab,kw OR “biofeed-back”:ti,ab,kw OR “biofeedback system”:ti,ab,kw OR “myobiofeedback”:ti,ab,kw OR “psychophysiological feedback”:ti,ab,kw OR “acoustic”:ti,ab,kw OR “visual”:ti,ab,kw	96,884

#8	[mh "Feedback"]	1,329
#9	"Feedback":ti,ab,kw OR "Feedbacks":ti,ab,kw OR "feedback system":ti,ab,kw OR "feed back control":ti,ab,kw OR "feedback control system":ti,ab,kw OR "feed back system":ti,ab,kw OR "feed back mechanism":ti,ab,kw OR "feedback mechanism":ti,ab,kw	17,892
#10	[mh "Feedback, Sensory"]	243
#11	"Feedback, Sensory":ti,ab,kw OR "Feedbacks, Sensory":ti,ab,kw OR "Sensory Feedback":ti,ab,kw OR "Sensory Feedbacks":ti,ab,kw OR "Visual Feedback":ti,ab,kw OR "Feedback, Visual":ti,ab,kw OR "Feedbacks, Visual":ti,ab,kw OR "Visual Feedbacks":ti,ab,kw OR "Sensorimotor Feedback":ti,ab,kw OR "Feedback, Sensorimotor":ti,ab,kw OR "Feedbacks, Sensorimotor":ti,ab,kw OR "Sensorimotor Feedbacks":ti,ab,kw OR "Audio Feedback":ti,ab,kw OR "Audio Feedbacks":ti,ab,kw OR "Feedback, Audio":ti,ab,kw OR "Feedbacks, Audio":ti,ab,kw OR "Proprioceptive Feedback":ti,ab,kw OR "Feedback, Proprioceptive":ti,ab,kw OR "Feedbacks, Proprioceptive":ti,ab,kw OR "Proprioceptive Feedbacks":ti,ab,kw	1,220
#12	[mh "Feedback, Physiological"]	353
#13	"Feedback, Physiological":ti,ab,kw OR "Feedbacks, Physiological":ti,ab,kw OR "Physiological Feedback":ti,ab,kw OR "Physiological Feedbacks":ti,ab,kw OR "Negative Feedback, Biochemical":ti,ab,kw OR "Biochemical Negative Feedback":ti,ab,kw OR "Biochemical Negative Feedbacks":ti,ab,kw OR "Feedback, Biochemical Negative":ti,ab,kw OR "Feedbacks, Biochemical Negative":ti,ab,kw OR "Negative Feedbacks, Biochemical":ti,ab,kw OR "Feedback Inhibition, Biochemical":ti,ab,kw OR "Biochemical Feedback Inhibition":ti,ab,kw OR "Biochemical Feedback Inhibitions":ti,ab,kw OR "Feedback Inhibitions, Biochemical":ti,ab,kw OR "Inhibition, Biochemical Feedback":ti,ab,kw OR "Inhibitions, Biochemical Feedback":ti,ab,kw OR "Positive Feedback, Biochemical":ti,ab,kw OR "Biochemical Positive Feedback":ti,ab,kw OR "Biochemical Positive Feedbacks":ti,ab,kw OR "Feedback, Biochemical Positive":ti,ab,kw OR "Feedbacks, Biochemical Positive":ti,ab,kw OR "Positive Feedbacks, Biochemical":ti,ab,kw OR "Feedback Stimulation, Biochemical":ti,ab,kw OR "Biochemical Feedback Stimulation":ti,ab,kw OR "Biochemical Feedback Stimulations":ti,ab,kw OR "Feedback Stimulations, Biochemical":ti,ab,kw OR "Stimulation, Biochemical Feedback":ti,ab,kw OR "Stimulations, Biochemical Feedback":ti,ab,kw OR "Feedback, Biochemical":ti,ab,kw OR "Biochemical Feedback":ti,ab,kw OR "Biochemical Feedbacks":ti,ab,kw OR "Feedbacks, Biochemical":ti,ab,kw OR "Feedback Regulation, Biochemical":ti,ab,kw OR "Biochemical Feedback Regulation":ti,ab,kw OR "Biochemical Feedback Regulations":ti,ab,kw OR "Feedback Regulations, Biochemical":ti,ab,kw OR "Regulation, Biochemical Feedback":ti,ab,kw OR "Regulations, Biochemical Feedback":ti,ab,kw	149
#14	{OR #6-#13}	112,096
#15	#5 AND #14	626

4) KMBase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=Biofeedback] OR [ALL=Biofeedbacks]) OR [ALL=Sensory Feedback] OR [ALL=Sensory Feedbacks]))	7
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=Psychology Biofeedback] OR [ALL=Psychology Biofeedbacks]) OR [ALL=Feedback] OR [ALL=Feedbacks]))	8
#3	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=Physiological Feedback] OR [ALL=Physiological Feedbacks]) OR [ALL=acoustic] OR [ALL=visual]))	70
#4	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=생체되먹임] OR [ALL=생체자기제어] OR [ALL=바이오피드백]))	4
#5	((([([ALL=구인두 연합장애] OR [ALL=연합장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND (([ALL=Biofeedback] OR [ALL=Biofeedbacks]) OR [ALL=Sensory Feedback] OR [ALL=Sensory Feedbacks]))	5
#6	((([([ALL=구인두 연합장애] OR [ALL=연합장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란] OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND (([ALL=Psychology Biofeedback] OR [ALL=Psychology Biofeedbacks]) OR [ALL=Feedback] OR [ALL=Feedbacks]))	1

#7	(((((ALL=구인두 연하장애) OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Physiological Feedback] OR [ALL=Physiological Feedbacks]) OR [ALL=acoustic]) OR [ALL=visual]))	23
#8	(((((ALL=구인두 연하장애) OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (([ALL=생체되먹임] OR [ALL=생체자기제어]) OR [ALL=바이오피드백]))	4
#9	#1부터 #8까지의 Search Results 단순합계	122

KQ 11.1. Is cricopharyngeal botulinum toxin injection effective for improving swallowing function, reducing the risk of aspiration pneumonia, and improving diet in patients with cricopharyngeal dysfunction?

KQ 11.2. Is cricopharyngeal myotomy effective in improving swallowing function, reducing the risk of aspiration pneumonia, and improving diet in patients with cricopharyngeal dysfunction?

KQ 11.3. Is balloon dilatation effective in improving swallowing function, reducing the risk of aspiration pneumonia, and improving diet in patients with cricopharyngeal dysfunction?

1) PubMed

No.	Search Strategies	Search Results
#1	“Deglutition Disorders”[Mesh]	53,800
#2	“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW]	40,503
#3	“Deglutition”[Mesh]	10,040
#4	“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]	40,855
#5	((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]))	86,087
#6	“Cricoid Cartilage”[Mesh]	2,459
#7	“Cricoid Cartilage”[TW] OR “Cartilage, Cricoid”[TW] OR “Cartilages, Cricoid”[TW] OR “Cricoid Cartilages”[TW] OR “arcus cartilaginis cricoideae”[TW] OR “cartilago cricoidea”[TW] OR “cricoid”[TW] OR “cricoid cartilage arch”[TW] OR “cricoid cartilage lamina”[TW] OR “lamina cartilaginis cricoideae”[TW]	3,942
#8	“Esophageal Sphincter, Upper”[Mesh]	446
#9	“Esophageal Sphincter, Upper”[TW] OR “Sphincter, Upper Esophageal”[TW] OR “Upper Esophageal Sphincter”[TW] OR “Inferior Pharyngeal Constrictor”[TW] OR “Inferior Pharyngeal Constrictors”[TW] OR “Pharyngeal Constrictor, Inferior”[TW] OR “Pharyngeal Constrictors, Inferior”[TW] OR “Inferior Constrictor of Pharynx”[TW] OR “Pharynx Inferior Constrictor”[TW] OR “Cricopharyngeus”[TW] OR “Cricopharyngeus Muscle”[TW] OR “Muscle, Cricopharyngeus”[TW] OR “Thyropharyngeus”[TW] OR “cricopharyngeal muscle”[TW] OR “cricopharynx muscle”[TW] OR “cricopharyngeal dysfunction”[TW] OR “cricopharyngeal disorder”[TW] OR “cricopharyngeal disorders”[TW]	2,012

#10	((“Cricoid Cartilage”[Mesh]) OR (“Cricoid Cartilage”[TW] OR “Cartilage, Cricoid”[TW] OR “Cartilages, Cricoid”[TW] OR “Cricoid Cartilages”[TW] OR “arcus cartilaginis cricoideae”[TW] OR “cartilago cricoidea”[TW] OR “cricoid”[TW] OR “cricoid cartilage arch”[TW] OR “cricoid cartilage lamina”[TW] OR “lamina cartilaginis cricoideae”[TW])) OR ((“Esophageal Sphincter, Upper”[Mesh]) OR (“Esophageal Sphincter, Upper”[TW] OR “Sphincter, Upper Esophageal”[TW] OR “Upper Esophageal Sphincter”[TW] OR “Inferior Pharyngeal Constrictor”[TW] OR “Inferior Pharyngeal Constrictors”[TW] OR “Pharyngeal Constrictor, Inferior”[TW] OR “Pharyngeal Constrictors, Inferior”[TW] OR “Inferior Constrictor of Pharynx”[TW] OR “Pharynx Inferior Constrictor”[TW] OR “Cricopharyngeus”[TW] OR “Cricopharyngeus Muscle”[TW] OR “Muscle, Cricopharyngeus”[TW] OR “Thyropharyngeus”[TW] OR “cricopharyngeal muscle”[TW] OR “cricopharynx muscle”[TW] OR “cricopharyngeal dysfunction”[TW] OR “cricopharyngeal disorder”[TW] OR “cricopharyngeal disorders”[TW]))	5,821
#11	“Botulinum Toxins”[Mesh]	16,609
#12	“Botulinum Toxins”[TW] OR “Toxins, Botulinum”[TW] OR “Botulinum Neurotoxins”[TW] OR “Neurotoxins, Botulinum”[TW] OR “Botulinum Toxin”[TW] OR “Toxin, Botulinum”[TW] OR “Clostridium botulinum Toxins”[TW] OR “Toxins, Clostridium botulinum”[TW] OR “Botulinum Neurotoxin”[TW] OR “Neurotoxin, Botulinum”[TW] OR “Botulin”[TW] OR “botulinal toxin test”[TW] OR “botulinum toxin”[TW] OR “botulinus toxin”[TW] OR “botulism toxin”[TW] OR “clostridium botulinum toxin”[TW] OR “cricopharyngeal botox”[TW] OR “BoT”[TW] OR “botulinum toxin injection”[TW]	23,588
#13	“Botulinum Toxins, Type A”[Mesh]	9,539
#14	“Botulinum Toxins, Type A”[TW] OR “Clostridium botulinum A Toxin”[TW] OR “Botulinum Toxin A”[TW] OR “Toxin A, Botulinum”[TW] OR “Botulinum Neurotoxin A”[TW] OR “Neurotoxin A, Botulinum”[TW] OR “Botulinum A Toxin”[TW] OR “Toxin, Botulinum A”[TW] OR “Botulinum Toxin Type A”[TW] OR “Botulinum Neurotoxin Type A”[TW] OR “Clostridium Botulinum Toxin Type A”[TW] OR “Meditoxin”[TW] OR “Botox”[TW] OR “Neuronox”[TW] OR “Oculinum”[TW] OR “Vistabex”[TW] OR “OnabotulinumtoxinA”[TW] OR “Onabotulinumtoxin A”[TW] OR “Vistabel”[TW] OR “BoNT A”[TW] OR “Botox”[TW] OR “Meditoxin”[TW] OR “Botulax”[TW] OR “Nabota”[TW] OR “Liztox”[TW] OR “Rientox”[TW] OR “Jetema the toxin”[TW] OR “BTXA”[TW] OR “onabotulinumtoxinA”[TW] OR “Dysport”[TW] OR “Azzalure”[TW] OR “abobotulinumtoxinA”[TW] OR “Xeomin”[TW] OR “Bocouture”[TW] OR “incobotulinumtoxinA”[TW] OR “Jeuveau”[TW] OR “prabotulinumtoxinA”[TW] OR “Myobloc”[TW] OR “Neurobloc”[TW] OR “rimabotulinumtoxinB”[TW]	13,036
#15	“Myotomy”[Mesh]	4,452
#16	“Myotomy”[TW] OR “Myotomies”[TW] OR “cricopharyngeal myotomy”[TW]	4,232
#17	“Dilatation”[Mesh]	11,515
#18	“Dilatation”[TW] OR “Dilatations”[TW] OR “Dilation”[TW] OR “Dilations”[TW] OR “cricopharyngeal dilation”[TW] OR “balloon dilatation”[TW]	108,281
#19	(((((“Botulinum Toxins”[Mesh]) OR (“Botulinum Toxins”[TW] OR “Toxins, Botulinum”[TW] OR “Botulinum Neurotoxins”[TW] OR “Neurotoxins, Botulinum”[TW] OR “Botulinum Toxin”[TW] OR “Toxin, Botulinum”[TW] OR “Clostridium botulinum Toxins”[TW] OR “Toxins, Clostridium botulinum”[TW] OR “Botulinum Neurotoxin”[TW] OR “Neurotoxin, Botulinum”[TW] OR “Botulin”[TW] OR “botulinal toxin test”[TW] OR “botulinum toxin”[TW] OR “botulinus toxin”[TW] OR “botulism toxin”[TW] OR “clostridium botulinum exotoxin”[TW] OR “clostridium botulinum toxin”[TW] OR “cricopharyngeal botox”[TW] OR “BoT”[TW] OR “botulinum toxin injection”[TW])) OR (“Botulinum Toxins, Type A”[Mesh])) OR (“Botulinum Toxins, Type A”[TW] OR “Clostridium botulinum A Toxin”[TW] OR “Botulinum Toxin A”[TW] OR “Toxin A, Botulinum”[TW] OR “Botulinum Neurotoxin A”[TW] OR “Neurotoxin A, Botulinum”[TW] OR “Botulinum A Toxin”[TW] OR “Toxin, Botulinum A”[TW] OR “Botulinum Toxin Type A”[TW] OR “Botulinum Neurotoxin Type A”[TW] OR “Clostridium Botulinum Toxin Type A”[TW] OR “Meditoxin”[TW] OR “Botox”[TW] OR “Neuronox”[TW] OR “Oculinum”[TW] OR “Vistabex”[TW] OR “OnabotulinumtoxinA”[TW] OR “Onabotulinumtoxin A”[TW] OR “Vistabel”[TW] OR “BoNT A”[TW] OR “Botox”[TW] OR “Meditoxin”[TW] OR “Botulax”[TW] OR “Nabota”[TW] OR “Liztox”[TW] OR “Rientox”[TW] OR “Jetema the toxin”[TW] OR “BTXA”[TW] OR “onabotulinumtoxinA”[TW] OR “Dysport”[TW] OR “Azzalure”[TW] OR “abobotulinumtoxinA”[TW] OR “Xeomin”[TW] OR “Bocouture”[TW] OR “incobotulinumtoxinA”[TW] OR “Jeuveau”[TW] OR “prabotulinumtoxinA”[TW] OR “Myobloc”[TW] OR “Neurobloc”[TW] OR “rimabotulinumtoxinB”[TW])) OR (“Myotomy”[Mesh])) OR (“Myotomy”[TW] OR “Myotomies”[TW] OR “cricopharyngeal myotomy”[TW])) OR (“Dilatation”[Mesh])) OR (“Dilatation”[TW] OR “Dilatations”[TW] OR “Dilation”[TW] OR “Dilations”[TW] OR “cricopharyngeal dilation”[TW] OR “balloon dilatation”[TW]))	138,715
#20	#5 AND #10 AND #19	451

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	79,908
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	88,000
#3	"swallowing"/exp	23,723
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,224
#5	#1 OR #2 OR #3 OR #4	113,109
#6	"cricoid cartilage"/exp	3,038
#7	"Cricoid Cartilage":ti,ab,kw,de OR "Cartilage, Cricoid":ti,ab,kw,de OR "Cartilages, Cricoid":ti,ab,kw,de OR "Cricoid Cartilages":ti,ab,kw,de OR "arcus cartilaginis cricoideae":ti,ab,kw,de OR "cartilago cricoidea":ti,ab,kw,de OR "cricoid":ti,ab,kw,de OR "cricoid cartilage arch":ti,ab,kw,de OR "cricoid cartilage lamina":ti,ab,kw,de OR "lamina cartilaginis cricoideae":ti,ab,kw,de	4,418
#8	"cricopharyngeus muscle"/exp	1,079
#9	"Esophageal Sphincter, Upper":ti,ab,kw,de OR "Sphincter, Upper Esophageal":ti,ab,kw,de OR "Upper Esophageal Sphincter":ti,ab,kw,de OR "Inferior Pharyngeal Constrictor":ti,ab,kw,de OR "Inferior Pharyngeal Constrictors":ti,ab,kw,de OR "Pharyngeal Constrictor, Inferior":ti,ab,kw,de OR "Pharyngeal Constrictors, Inferior":ti,ab,kw,de OR "Inferior Constrictor of Pharynx":ti,ab,kw,de OR "Pharynx Inferior Constrictor":ti,ab,kw,de OR "Cricopharyngeus":ti,ab,kw,de OR "Cricopharyngeus Muscle":ti,ab,kw,de OR "Muscle, Cricopharyngeus":ti,ab,kw,de OR "Thyropharyngeus":ti,ab,kw,de OR "cricopharyngeal muscle":ti,ab,kw,de OR "cricopharynx muscle":ti,ab,kw,de OR "cricopharyngeal dysfunction":ti,ab,kw,de OR "cricopharyngeal disorder":ti,ab,kw,de OR "cricopharyngeal disorders":ti,ab,kw,de	3,463
#10	#6 OR #7 OR #8 OR #9	7,764
#11	"botulinum toxin"/exp	18,535
#12	"Botulinum Toxins":ti,ab,kw,de OR "Toxins, Botulinum":ti,ab,kw,de OR "Botulinum Neurotoxins":ti,ab,kw,de OR "Neurotoxins, Botulinum":ti,ab,kw,de OR "Botulinum Toxin":ti,ab,kw,de OR "Toxin, Botulinum":ti,ab,kw,de OR "Clostridium botulinum Toxins":ti,ab,kw,de OR "Toxins, Clostridium botulinum":ti,ab,kw,de OR "Botulinum Neurotoxin":ti,ab,kw,de OR "Neurotoxin, Botulinum":ti,ab,kw,de OR "Botulin":ti,ab,kw,de OR "botulin toxin test":ti,ab,kw,de OR "botulinum toxin":ti,ab,kw,de OR "botulinus toxin":ti,ab,kw,de OR "botulism toxin":ti,ab,kw,de OR "clostridium botulinum exotoxin":ti,ab,kw,de OR "clostridium botulinum toxin":ti,ab,kw,de OR "cricopharyngeal botox":ti,ab,kw,de OR "BoT":ti,ab,kw,de OR "botulinum toxin injection":ti,ab,kw,de	43,732
#13	"botulinum toxin A"/exp	23,414
#14	"Botulinum Toxins, Type A":ti,ab,kw,de OR "Clostridium botulinum A Toxin":ti,ab,kw,de OR "Botulinum Toxin A":ti,ab,kw,de OR "Toxin A, Botulinum":ti,ab,kw,de OR "Botulinum Neurotoxin A":ti,ab,kw,de OR "Neurotoxin A, Botulinum":ti,ab,kw,de OR "Botulinum A Toxin":ti,ab,kw,de OR "Toxin, Botulinum A":ti,ab,kw,de OR "Botulinum Toxin Type A":ti,ab,kw,de OR "Botulinum Neurotoxin Type A":ti,ab,kw,de OR "Clostridium Botulinum Toxin Type A":ti,ab,kw,de OR "Meditoxin":ti,ab,kw,de OR "Botox":ti,ab,kw,de OR "Neuronox":ti,ab,kw,de OR "Oculinum":ti,ab,kw,de OR "Vistabex":ti,ab,kw,de OR "OnabotulinumtoxinA":ti,ab,kw,de OR "Onabotulinumtoxin A":ti,ab,kw,de OR "Vistabel":ti,ab,kw,de OR "BoNT A":ti,ab,kw,de OR "Botox":ti,ab,kw,de OR "Meditoxin":ti,ab,kw,de OR "Botulax":ti,ab,kw,de OR "Nabota":ti,ab,kw,de OR "Liztox":ti,ab,kw,de OR "Rientox":ti,ab,kw,de OR "Jetema the toxin":ti,ab,kw,de OR "BTXA":ti,ab,kw,de OR "onabotulinumtoxinA":ti,ab,kw,de OR "Dysport":ti,ab,kw,de OR "Azzalure":ti,ab,kw,de OR "abobotulinumtoxinA":ti,ab,kw,de OR "Xeomin":ti,ab,kw,de OR "Bocouture":ti,ab,kw,de OR "incobotulinumtoxinA":ti,ab,kw,de OR "Jeuveau":ti,ab,kw,de OR "prabotulinumtoxinA":ti,ab,kw,de OR "Myobloc":ti,ab,kw,de OR "Neurobloc":ti,ab,kw,de OR "rimabotulinumtoxinB":ti,ab,kw,de	25,083

#15	“myotomy”/exp	6,038
#16	“Myotomy”:ti,ab,kw,de OR “Myotomies”:ti,ab,kw,de OR “cricopharyngeal myotomy”:ti,ab,kw,de	8,474
#17	“dilatation”/exp	20,459
#18	“Dilatation”:ti,ab,kw,de OR “Dilatations”:ti,ab,kw,de OR “Dilation”:ti,ab,kw,de OR “Dilations”:ti,ab,kw,de OR “cricopharyngeal dilation”:ti,ab,kw,de OR “balloon dilatation”:ti,ab,kw,de	187,318
#19	#11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18	236,225
#20	#5 AND #10 AND #19	769

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,920
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,847
#3	[mh “Deglutition”]	411
#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)":ti,ab,kw OR “swallow (ingestion)":ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,049
#5	{OR #1-#4}	8,578
#6	[mh “Cricoid Cartilage”]	98
#7	“Cricoid Cartilage”:ti,ab,kw OR “Cartilage, Cricoid”:ti,ab,kw OR “Cartilages, Cricoid”:ti,ab,kw OR “Cricoid Cartilages”:ti,ab,kw OR “arcus cartilaginis cricoideae”:ti,ab,kw OR “cartilago cricoidea”:ti,ab,kw OR “cricoid”:ti,ab,kw OR “cricoid cartilage arch”:ti,ab,kw OR “cricoid cartilage lamina”:ti,ab,kw OR “lamina cartilaginis cricoideae”:ti,ab,kw	274
#8	[mh “Esophageal Sphincter, Upper”]	24
#9	“Esophageal Sphincter, Upper”:ti,ab,kw OR “Sphincter, Upper Esophageal”:ti,ab,kw OR “Upper Esophageal Sphincter”:ti,ab,kw OR “Inferior Pharyngeal Constrictor”:ti,ab,kw OR “Inferior Pharyngeal Constrictors”:ti,ab,kw OR “Pharyngeal Constrictor, Inferior”:ti,ab,kw OR “Pharyngeal Constrictors, Inferior”:ti,ab,kw OR “Inferior Constrictor of Pharynx”:ti,ab,kw OR “Pharynx Inferior Constrictor”:ti,ab,kw OR “Cricopharyngeus”:ti,ab,kw OR “Cricopharyngeus Muscle”:ti,ab,kw OR “Muscle, Cricopharyngeus”:ti,ab,kw OR “Thyropharyngeus”:ti,ab,kw OR “cricopharyngeal muscle”:ti,ab,kw OR “cricopharynx muscle”:ti,ab,kw OR “cricopharyngeal dysfunction”:ti,ab,kw OR “cricopharyngeal disorder”:ti,ab,kw OR “cricopharyngeal disorders”:ti,ab,kw	144
#10	{OR #6-#9}	415
#11	[mh “Botulinum Toxins”]	1,907
#12	“Botulinum Toxins”:ti,ab,kw OR “Toxins, Botulinum”:ti,ab,kw OR “Botulinum Neurotoxins”:ti,ab,kw OR “Neurotoxins, Botulinum”:ti,ab,kw OR “Botulinum Toxin”:ti,ab,kw OR “Toxin, Botulinum”:ti,ab,kw OR “Clostridium botulinum Toxins”:ti,ab,kw OR “Toxins, Clostridium botulinum”:ti,ab,kw OR “Botulinum Neurotoxin”:ti,ab,kw OR “Neurotoxin, Botulinum”:ti,ab,kw OR “Botulin”:ti,ab,kw OR “botulin toxin test”:ti,ab,kw OR “botulinum toxin”:ti,ab,kw OR “botulinus toxin”:ti,ab,kw OR “botulism toxin”:ti,ab,kw OR “clostridium botulinum exotoxin”:ti,ab,kw OR “clostridium botulinum toxin”:ti,ab,kw OR “cricopharyngeal botox”:ti,ab,kw OR “BoT”:ti,ab,kw OR “botulinum toxin injection”:ti,ab,kw	4,267
#13	[mh “Botulinum Toxins, Type A”]	1,664

#14	“Botulinum Toxins, Type A”:ti,ab,kw OR “Clostridium botulinum A Toxin”:ti,ab,kw OR “Botulinum Toxin A”:ti,ab,kw OR “Toxin A, Botulinum”:ti,ab,kw OR “Botulinum Neurotoxin A”:ti,ab,kw OR “Neurotoxin A, Botulinum”:ti,ab,kw OR “Botulinum A Toxin”:ti,ab,kw OR “Toxin, Botulinum A”:ti,ab,kw OR “Botulinum Toxin Type A”:ti,ab,kw OR “Botulinum Neurotoxin Type A”:ti,ab,kw OR “Clostridium Botulinum Toxin Type A”:ti,ab,kw OR “Meditoxin”:ti,ab,kw OR “Botox”:ti,ab,kw OR “Neuronox”:ti,ab,kw OR “Oculinum”:ti,ab,kw OR “Vistabex”:ti,ab,kw OR “OnabotulinumtoxinA”:ti,ab,kw OR “Onabotulinumtoxin A”:ti,ab,kw OR “Vistabel”:ti,ab,kw OR “BoNT A”:ti,ab,kw OR “Botox”:ti,ab,kw OR “Meditoxin”:ti,ab,kw OR “Botulax”:ti,ab,kw OR “Nabota”:ti,ab,kw OR “Liztox”:ti,ab,kw OR “Rientox”:ti,ab,kw OR “Jetema the toxin”:ti,ab,kw OR “BTXA”:ti,ab,kw OR “onabotulinumtoxinA”:ti,ab,kw OR “Dysport”:ti,ab,kw OR “Azzalure”:ti,ab,kw OR “abobotulinumtoxinA”:ti,ab,kw OR “Xeomin”:ti,ab,kw OR “Bocouture”:ti,ab,kw OR “incobotulinumtoxinA”:ti,ab,kw OR “Jeuveau”:ti,ab,kw OR “prabotulinumtoxinA”:ti,ab,kw OR “Myobloc”:ti,ab,kw OR “Neurobloc”:ti,ab,kw OR “rimabotulinumtoxinB”:ti,ab,kw	3,915
#15	[mh “Myotomy”]	230
#16	“Myotomy”:ti,ab,kw OR “Myotomies”:ti,ab,kw OR “cricopharyngeal myotomy”:ti,ab,kw	262
#17	[mh “Dilatation”]	434
#18	“Dilatation”:ti,ab,kw OR “Dilatations”:ti,ab,kw OR “Dilation”:ti,ab,kw OR “Dilations”:ti,ab,kw OR “cricopharyngeal dilatation”:ti,ab,kw OR “balloon dilatation”:ti,ab,kw	10,514
#19	{OR #11-#18}	15,636
#20	#5 AND #10 AND #19	18

4) KMBase

No.	Search Strategies	Search Results
#1	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ([ALL=Botulinum Toxin] OR [ALL=Botulinum Toxins]))	13
#2	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ([ALL=Botulinum Toxin Type A] OR [ALL=Botulinum Toxins Type A]))	0
#3	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ([ALL=Botox] OR [ALL=BoNT A]))	3
#4	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ((([ALL=보톡스주입술] OR [ALL=보톡스] OR [ALL=보툴리눔] OR [ALL=보툴리눔 독소]))	8
#5	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근] OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ([ALL=Botulinum Toxin] OR [ALL=Botulinum Toxins]))	9
#6	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근] OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ([ALL=Botulinum Toxin Type A] OR [ALL=Botulinum Toxins Type A]))	0
#7	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근] OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ([ALL=Botox] OR [ALL=BoNT A]))	3
#8	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근] OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ((([ALL=보톡스주입술] OR [ALL=보톡스] OR [ALL=보툴리눔] OR [ALL=보툴리눔 독소]))	8

#9	((((((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ([ALL=Botulinum Toxin] OR [ALL=Botulinum Toxins]))	8
#10	((((((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ([ALL=Botulinum Toxin Type A] OR [ALL=Botulinum Toxins Type A]))	0
#11	((((((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ([ALL=Botox] OR [ALL=BoNT A]))	2
#12	((((((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ((([ALL=보톡스주입술] OR [ALL=보톡스]) OR [ALL=보툴리눔] OR [ALL=보툴리눔 독소]))	5
#13	((((((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ([ALL=Botulinum Toxin] OR [ALL=Botulinum Toxins]))	7
#14	((((((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ([ALL=Botulinum Toxin Type A] OR [ALL=Botulinum Toxins Type A]))	0
#15	((((((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ([ALL=Botox] OR [ALL=BoNT A]))	2
#16	((((((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ((([ALL=보톡스주입술] OR [ALL=보톡스]) OR [ALL=보툴리눔] OR [ALL=보툴리눔 독소]))	6
#17	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND (([ALL=Myotomy] OR [ALL=Myotomies]) OR [ALL=cricopharyngeal myotomy]))	20
#18	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ((([ALL=근절제] OR [ALL=근절개]) OR [ALL=근절제술] OR [ALL=근육절개술] OR [ALL=윤상인두근절제]))	0
#19	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND (([ALL=Myotomy] OR [ALL=Myotomies]) OR [ALL=cricopharyngeal myotomy]))	9
#20	((((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ((([ALL=근절제] OR [ALL=근절개]) OR [ALL=근절제술] OR [ALL=근육절개술] OR [ALL=윤상인두근절제]))	0
#21	((((((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND (([ALL=Myotomy] OR [ALL=Myotomies]) OR [ALL=cricopharyngeal myotomy]))	11

#22	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ((([ALL=근절제] OR [ALL=근절개]) OR [ALL=근절제술]) OR [ALL=근육절개술]) OR [ALL=윤상인두근절제])	0
#23	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골]) AND ((([ALL=Myotomy] OR [ALL=Myotomies]) OR [ALL=cricopharyngeal myotomy]))	7
#24	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골]) AND ((([ALL=Myotomy] OR [ALL=Myotomies]) OR [ALL=cricopharyngeal myotomy])) AND ((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골]) AND ((([ALL=근절제] OR [ALL=근절개]) OR [ALL=근절제술]) OR [ALL=근육절개술]) OR [ALL=윤상인두근절제])	0
#25	(((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ((([ALL=Dilatation] OR [ALL=Dilatations]) OR [ALL=Dilation]) OR [ALL=Dilations]) OR [ALL=cricopharyngeal dilation]) OR [ALL=balloon dilatation]))	13
#26	(((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ([ALL=풍선확장] OR [ALL=풍선확장술]))	3
#27	(((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ((([ALL=Dilatation] OR [ALL=Dilatations]) OR [ALL=Dilation]) OR [ALL=Dilations]) OR [ALL=cricopharyngeal dilation]) OR [ALL=balloon dilatation]))	8
#28	(((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골])) AND ([ALL=풍선확장] OR [ALL=풍선확장술]))	3
#29	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ((([ALL=Dilatation] OR [ALL=Dilatations]) OR [ALL=Dilation]) OR [ALL=Dilations]) OR [ALL=cricopharyngeal dilation]) OR [ALL=balloon dilatation]))	7
#30	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Cricopharyngeal Dysfunction] OR [ALL=cricopharyngeal disorder]) OR [ALL=Cricopharyngeal]) OR [ALL=Upper Esophageal Sphincter]) OR [ALL=Cricoid Cartilage])) AND ([ALL=풍선확장] OR [ALL=풍선확장술]))	3
#31	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골]) AND ((([ALL=Dilatation] OR [ALL=Dilatations]) OR [ALL=Dilation]) OR [ALL=Dilations]) OR [ALL=cricopharyngeal dilation]) OR [ALL=balloon dilatation]))	6
#32	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=윤상인두근 기능부전] OR [ALL=윤상인두근 장애]) OR [ALL=윤상인두근]) OR [ALL=상부식도괄약근]) OR [ALL=윤상연골]) AND ([ALL=풍선확장] OR [ALL=풍선확장술]))	3
#33	#1부터 #32까지의 Search Results 단순합계	167

KQ 12. Is the swallowing education program effective for improving swallowing function, reducing the risk of aspiration pneumonia, and improving diet?

1) PubMed

No.	Search Strategies	Search Results
#1	"Deglutition Disorders"[Mesh]	53,885
#2	"Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW]	40,665
#3	"Deglutition"[Mesh]	10,056
#4	"Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]	40,976
#5	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR (("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]))	86,323
#6	"Patient Education as Topic"[Mesh]	86,902
#7	"Patient Education as Topic"[TW] OR "Education, Patient"[TW] OR "Patient Education"[TW] OR "Education of Patients"[TW] OR "patient medication knowledge"[TW] OR "education for patients"[TW]	104,257
#8	"Patient Education Handout" [Publication Type]	5,319
#9	"Patient Education Handout"[TW] OR "Consumer Information Handout"[TW] OR "Consumer Handout"[TW] OR "Handout"[TW]	5,861
#10	"Education"[Mesh]	829,684
#11	"Education"[TW] OR "Training Programs"[TW] OR "Program, Training"[TW] OR "Programs, Training"[TW] OR "Training Program"[TW] OR "Educational Activities"[TW] OR "Activities, Educational"[TW] OR "Activity, Educational"[TW] OR "Educational Activity"[TW] OR "Literacy Programs"[TW] OR "Literacy Program"[TW] OR "Program, Literacy"[TW] OR "Programs, Literacy"[TW] OR "clinical education"[TW] OR "clinical teaching"[TW] OR "education, clinical"[TW] OR "teaching, clinical"[TW] OR "Training"[TW] OR "swallowing exercise education"[TW] OR "swallowing education"[TW] OR "swallowing Training"[TW]	1,247,106
#12	"Exercise Therapy"[Mesh]	53,681

#13	“Exercise Therapy”[TW] OR “Remedial Exercise”[TW] OR “Exercise, Remedial”[TW] OR “Exercises, Remedial”[TW] OR “Remedial Exercises”[TW] OR “Therapy, Exercise”[TW] OR “Exercise Therapies”[TW] OR “Therapies, Exercise”[TW] OR “Rehabilitation Exercise”[TW] OR “Exercise, Rehabilitation”[TW] OR “Exercises, Rehabilitation”[TW] OR “Rehabilitation Exercises”[TW] OR “kinesiotherapy”[TW] OR “orrective exercise”[TW] OR “exercise movement techniques”[TW] OR “exercise treatment”[TW] OR “kinesiotherapeutic intervention”[TW] OR “kinesiotherapeutic method”[TW] OR “kinesiotherapeutic procedure”[TW] OR “kinesiotherapeutic technique”[TW] OR “kinesiotherapeutical treatment”[TW] OR “kinesitherapeutic exercises”[TW] OR “kinesitherapeutic intervention”[TW] OR “kinesitherapeutic method”[TW] OR “kinesitherapeutic methodology”[TW] OR “kinesitherapeutic procedure”[TW] OR “kinesitherapeutic technique”[TW] OR “kinesitherapeutic treatment”[TW] OR “kinesitherapeutical treatment”[TW] OR “kinesitherapy”[TW] OR “SKTM”[TW] OR “specialized kinesitherapeutic methodology”[TW] OR “specialised kinesitherapeutic methodology”[TW] OR “specialized kinesitherapeutic methodology”[TW] OR “therapeutic exercise”[TW] OR “treatment, exercise”[TW] OR “Home-based exercise”[TW] OR “Self-exercise”[TW]	48,472
#14	(((((“Patient Education as Topic”[Mesh]) OR (“Patient Education as Topic”[TW] OR “Education, Patient”[TW] OR “Patient Education”[TW] OR “Education of Patients”[TW] OR “patient medication knowledge”[TW] OR “education for patients”[TW])) OR (“Patient Education Handout” [Publication Type])) OR (“Patient Education Handout”[TW] OR “Consumer Information Handout”[TW] OR “Consumer Handout”[TW] OR “Handout”[TW])) OR (“Education”[Mesh])) OR (“Education”[TW] OR “Training Programs”[TW] OR “Program, Training”[TW] OR “Programs, Training”[TW] OR “Training Program”[TW] OR “Educational Activities”[TW] OR “Activities, Educational”[TW] OR “Activity, Educational”[TW] OR “Educational Activity”[TW] OR “Literacy Programs”[TW] OR “Literacy Program”[TW] OR “Program, Literacy”[TW] OR “Programs, Literacy”[TW] OR “clinical education”[TW] OR “clinical teaching”[TW] OR “education, clinical”[TW] OR “teaching, clinical”[TW] OR “Training”[TW] OR “swallowing exercise education”[TW] OR “swallowing education”[TW] OR “swallowing Training”[TW])) OR (“Exercise Therapy”[Mesh])) OR (“Exercise Therapy”[TW] OR “Remedial Exercise”[TW] OR “Exercise, Remedial”[TW] OR “Exercises, Remedial”[TW] OR “Remedial Exercises”[TW] OR “Therapy, Exercise”[TW] OR “Exercise Therapies”[TW] OR “Therapies, Exercise”[TW] OR “Rehabilitation Exercise”[TW] OR “Exercise, Rehabilitation”[TW] OR “Exercises, Rehabilitation”[TW] OR “Rehabilitation Exercises”[TW] OR “kinesiotherapy”[TW] OR “orrective exercise”[TW] OR “exercise movement techniques”[TW] OR “exercise treatment”[TW] OR “kinesiotherapeutic intervention”[TW] OR “kinesiotherapeutic method”[TW] OR “kinesiotherapeutic procedure”[TW] OR “kinesiotherapeutic technique”[TW] OR “kinesiotherapeutical treatment”[TW] OR “kinesitherapeutic exercises”[TW] OR “kinesitherapeutic intervention”[TW] OR “kinesitherapeutic method”[TW] OR “kinesitherapeutic methodology”[TW] OR “kinesitherapeutic procedure”[TW] OR “kinesitherapeutic technique”[TW] OR “kinesitherapeutic treatment”[TW] OR “kinesitherapeutical treatment”[TW] OR “kinesitherapy”[TW] OR “SKTM”[TW] OR “specialized kinesitherapeutic methodology”[TW] OR “specialised kinesitherapeutic methodology”[TW] OR “specialized kinesitherapeutic methodology”[TW] OR “therapeutic exercise”[TW] OR “treatment, exercise”[TW] OR “Home-based exercise”[TW] OR “Self-exercise”[TW])	1,510,480
#15	#5 AND #14	2,504

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	“dysphagia”/exp	80,280
#2	“Deglutition Disorders”:ti,ab,kw,de OR “Deglutition Disorder”:ti,ab,kw,de OR “Disorders, Deglutition”:ti,ab,kw,de OR “Swallowing Disorders”:ti,ab,kw,de OR “Swallowing Disorder”:ti,ab,kw,de OR “Dysphagia”:ti,ab,kw,de OR “Oropharyngeal Dysphagia”:ti,ab,kw,de OR “Dysphagia, Oropharyngeal”:ti,ab,kw,de OR “aphagopraxia”:ti,ab,kw,de OR “deglutition difficulty”:ti,ab,kw,de OR “deglutition disorder”:ti,ab,kw,de OR “deglutition disorders”:ti,ab,kw,de OR “difficult deglutition”:ti,ab,kw,de OR “difficulty in swallowing”:ti,ab,kw,de OR “difficulty swallowing”:ti,ab,kw,de OR “dysphagias”:ti,ab,kw,de OR “swallowing difficult”:ti,ab,kw,de OR “swallowing difficultness”:ti,ab,kw,de OR “swallowing difficulty”:ti,ab,kw,de OR “swallowing disorder”:ti,ab,kw,de OR “swallow impairment”:ti,ab,kw,de OR “swallowing problem”:ti,ab,kw,de OR “Swallowing Disturbance”:ti,ab,kw,de OR “impaired swallowing”:ti,ab,kw,de	88,385
#3	“swallowing”/exp	23,786

#4	“Deglutition”:ti,ab,kw,de OR “Deglutitions”:ti,ab,kw,de OR “Swallowing”:ti,ab,kw,de OR “Swallowings”:ti,ab,kw,de OR “oropharyngeal swallow”:ti,ab,kw,de OR “reflex, deglutition”:ti,ab,kw,de OR “swallow (deglutition)”:ti,ab,kw,de OR “swallow (ingestion)”:ti,ab,kw,de OR “swallow function”:ti,ab,kw,de OR “swallow reflex”:ti,ab,kw,de OR “swallowing reflex”:ti,ab,kw,de	43,364
#5	#1 OR #2 OR #3 OR #4	113,566
#6	“patient education”/exp	116,129
#7	“Patient Education as Topic”:ti,ab,kw,de OR “Education, Patient”:ti,ab,kw,de OR “Patient Education”:ti,ab,kw,de OR “Education of Patients”:ti,ab,kw,de OR “patient medication knowledge”:ti,ab,kw,de OR “education for patients”:ti,ab,kw,de	126,232
#8	“Patient Education Handout”:ti,ab,kw,de OR “Consumer Information Handout”:ti,ab,kw,de OR “Consumer Handout”:ti,ab,kw,de OR “Handout”:ti,ab,kw,de	1,144
#9	“clinical education”/exp	15,364
#10	“Education”:ti,ab,kw,de OR “Training Programs”:ti,ab,kw,de OR “Program, Training”:ti,ab,kw,de OR “Programs, Training”:ti,ab,kw,de OR “Training Program”:ti,ab,kw,de OR “Educational Activities”:ti,ab,kw,de OR “Activities, Educational”:ti,ab,kw,de OR “Activity, Educational”:ti,ab,kw,de OR “Educational Activity”:ti,ab,kw,de OR “Literacy Programs”:ti,ab,kw,de OR “Literacy Program”:ti,ab,kw,de OR “Program, Literacy”:ti,ab,kw,de OR “Programs, Literacy”:ti,ab,kw,de OR “clinical education”:ti,ab,kw,de OR “clinical teaching”:ti,ab,kw,de OR “education, clinical”:ti,ab,kw,de OR “teaching, clinical”:ti,ab,kw,de OR “Training”:ti,ab,kw,de OR “swallowing exercise education”:ti,ab,kw,de OR “swallowing education”:ti,ab,kw,de OR “swallowing Training”:ti,ab,kw,de	1,752,271
#11	“kinesiotherapy”/exp	86,858
#12	“Exercise Therapy”:ti,ab,kw,de OR “Remedial Exercise”:ti,ab,kw,de OR “Exercise, Remedial”:ti,ab,kw,de OR “Exercises, Remedial”:ti,ab,kw,de OR “Remedial Exercises”:ti,ab,kw,de OR “Therapy, Exercise”:ti,ab,kw,de OR “Exercise Therapies”:ti,ab,kw,de OR “Therapies, Exercise”:ti,ab,kw,de OR “Rehabilitation Exercise”:ti,ab,kw,de OR “Exercise, Rehabilitation”:ti,ab,kw,de OR “Exercises, Rehabilitation”:ti,ab,kw,de OR “Rehabilitation Exercises”:ti,ab,kw,de OR “kinesiotherapy”:ti,ab,kw,de OR “orrective exercise”:ti,ab,kw,de OR “exercise movement techniques”:ti,ab,kw,de OR “exercise treatment”:ti,ab,kw,de OR “kinesiotherapeutic intervention”:ti,ab,kw,de OR “kinesiotherapeutic method”:ti,ab,kw,de OR “kinesiotherapeutic procedure”:ti,ab,kw,de OR “kinesiotherapeutic technique”:ti,ab,kw,de OR “kinesiotherapeutical treatment”:ti,ab,kw,de OR “kinesiotherapeutic exercises”:ti,ab,kw,de OR “kinesiotherapeutic intervention”:ti,ab,kw,de OR “kinesiotherapeutic method”:ti,ab,kw,de OR “kinesiotherapeutic methodology”:ti,ab,kw,de OR “kinesiotherapeutic procedure”:ti,ab,kw,de OR “kinesiotherapeutic technique”:ti,ab,kw,de OR “kinesiotherapeutic treatment”:ti,ab,kw,de OR “kinesiotherapeutical treatment”:ti,ab,kw,de OR “kinesiotherapy”:ti,ab,kw,de OR “SKTM”:ti,ab,kw,de OR “specialized kinesiotherapeutic methodology”:ti,ab,kw,de OR “specialised kinesiotherapeutic methodology”:ti,ab,kw,de OR “specialized kinesiotherapeutic methodology”:ti,ab,kw,de OR “therapeutic exercise”:ti,ab,kw,de OR “treatment, exercise”:ti,ab,kw,de OR “Home-based exercise”:ti,ab,kw,de OR “Self-exercise”:ti,ab,kw,de	43,800
#13	#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12	1,806,572
#14	#5 AND #13	4,284

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,929
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,896
#3	[mh “Deglutition”]	412

#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)":ti,ab,kw OR “swallow (ingestion)":ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,094
#5	{OR #1-#4}	8,655
#6	[mh “Patient Education as Topic”]	9,026
#7	“Patient Education as Topic”:ti,ab,kw OR “Education, Patient”:ti,ab,kw OR “Patient Education”:ti,ab,kw OR “Education of Patients”:ti,ab,kw OR “patient medication knowledge”:ti,ab,kw OR “education for patients”:ti,ab,kw	14,186
#8	“Patient Education Handout”:pt	10
#9	“Patient Education Handout”:ti,ab,kw OR “Consumer Information Handout”:ti,ab,kw OR “Consumer Handout”:ti,ab,kw OR “Handout”:ti,ab,kw	409
#10	[mh “Education”]	33,270
#11	“Education”:ti,ab,kw OR “Training Programs”:ti,ab,kw OR “Program, Training”:ti,ab,kw OR “Programs, Training”:ti,ab,kw OR “Training Program”:ti,ab,kw OR “Educational Activities”:ti,ab,kw OR “Activities, Educational”:ti,ab,kw OR “Activity, Educational”:ti,ab,kw OR “Educational Activity”:ti,ab,kw OR “Literacy Programs”:ti,ab,kw OR “Literacy Program”:ti,ab,kw OR “Program, Literacy”:ti,ab,kw OR “Programs, Literacy”:ti,ab,kw OR “clinical education”:ti,ab,kw OR “clinical teaching”:ti,ab,kw OR “education, clinical”:ti,ab,kw OR “teaching, clinical”:ti,ab,kw OR “Training”:ti,ab,kw OR “swallowing exercise education”:ti,ab,kw OR “swallowing education”:ti,ab,kw OR “swallowing Training”:ti,ab,kw	147,601
#12	[mh “Exercise Therapy”]	14,231
#13	“Exercise Therapy”:ti,ab,kw OR “Remedial Exercise”:ti,ab,kw OR “Exercise, Remedial”:ti,ab,kw OR “Exercises, Remedial”:ti,ab,kw OR “Remedial Exercises”:ti,ab,kw OR “Therapy, Exercise”:ti,ab,kw OR “Exercise Therapies”:ti,ab,kw OR “Therapies, Exercise”:ti,ab,kw OR “Rehabilitation Exercise”:ti,ab,kw OR “Exercise, Rehabilitation”:ti,ab,kw OR “Exercises, Rehabilitation”:ti,ab,kw OR “Rehabilitation Exercises”:ti,ab,kw OR “kinesiotherapy”:ti,ab,kw OR “orrective exercise”:ti,ab,kw OR “exercise movement techniques”:ti,ab,kw OR “exercise treatment”:ti,ab,kw OR “kinesiotherapeutic intervention”:ti,ab,kw OR “kinesiotherapeutic method”:ti,ab,kw OR “kinesiotherapeutic procedure”:ti,ab,kw OR “kinesiotherapeutic technique”:ti,ab,kw OR “kinesiotherapeutical treatment”:ti,ab,kw OR “kinesiotherapeutic exercises”:ti,ab,kw OR “kinesiotherapeutic intervention”:ti,ab,kw OR “kinesiotherapeutic method”:ti,ab,kw OR “kinesiotherapeutic methodology”:ti,ab,kw OR “kinesiotherapeutic procedure”:ti,ab,kw OR “kinesiotherapeutic technique”:ti,ab,kw OR “kinesiotherapeutic treatment”:ti,ab,kw OR “kinesiotherapeutical treatment”:ti,ab,kw OR “kinesiotherapy”:ti,ab,kw OR “SKTM”:ti,ab,kw OR “specialized kinesiotherapeutic methodology”:ti,ab,kw OR “specialised kinesiotherapeutic methodology”:ti,ab,kw OR “specialized kinesiotherapeutic methodology”:ti,ab,kw OR “therapeutic exercise”:ti,ab,kw OR “treatment, exercise”:ti,ab,kw OR “Home-based exercise”:ti,ab,kw OR “Self-exercise”:ti,ab,kw	18,694
#14	{OR #6-#13}	166,213
#15	#5 AND #14	645

4) Kmbase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=patient education] OR [ALL=education]) OR [ALL=training]) OR [ALL=handout]) OR [ALL=exercise]) OR [ALL=kinesiotherapy]) OR [ALL=kinesiotherapy])	161
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=연하교육] OR [ALL=환자교육]) OR [ALL=핸드아웃]) OR [ALL=교육]) OR [ALL=운동치료]) OR [ALL=운동])	114
#3	((([([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=patient education] OR [ALL=education]) OR [ALL=training]) OR [ALL=handout]) OR [ALL=exercise]) OR [ALL=kinesiotherapy]) OR [ALL=kinesiotherapy])	96
#4	((([([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=연하교육] OR [ALL=환자교육]) OR [ALL=핸드아웃]) OR [ALL=교육]) OR [ALL=운동치료]) OR [ALL=운동])	123
#5	#1부터 #4까지의 Search Results 단순합계	494

KQ 13.1. Is transcranial direct current electrical stimulation effective in improving swallowing function, reducing the risk of aspiration pneumonia, and improving diet?

KQ 13.2. Is repetitive transcranial magnetic stimulation effective for improving the swallowing function and diet, as well as reducing risk of aspiration pneumonia?

1) PubMed

No.	Search Strategies	Search Results
#1	"Deglutition Disorders"[Mesh]	53,763
#2	"Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW]	40,444
#3	"Deglutition"[Mesh]	10,030
#4	"Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]	40,818
#5	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR ((("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]))))	86,001
#6	"NIBS"[TW] OR "NBS"[TW] OR "noninvasive brain stimulation"[TW] OR "non-invasive brain stimulation"[TW]	7,834
#7	"Transcranial Magnetic Stimulation"[Mesh]	11,981
#8	"Transcranial Magnetic Stimulation"[TW] OR "Magnetic Stimulation, Transcranial"[TW] OR "Magnetic Stimulations, Transcranial"[TW] OR "Stimulation, Transcranial Magnetic"[TW] OR "Stimulations, Transcranial Magnetic"[TW] OR "Transcranial Magnetic Stimulations"[TW] OR "Transcranial Magnetic Stimulation, Single Pulse"[TW] OR "Transcranial Magnetic Stimulation, Paired Pulse"[TW] OR "Transcranial Magnetic Stimulation, Repetitive"[TW] OR "magnetic stimulation"[TW] OR "transcranial stimulation"[TW] OR "transcranial magnetic"[TW] OR "rTMS"[TW] OR "TMS"[TW] OR "Repetitive transcranial magnetic stimulation"[TW]	25,092
#9	"Transcranial Direct Current Stimulation"[Mesh]	3,025
#10	"Transcranial Direct Current Stimulation"[TW] OR "tDCS"[TW] OR "Cathodal Stimulation Transcranial Direct Current Stimulation"[TW] OR "Cathodal Stimulation tDCS"[TW] OR "Cathodal Stimulation tDCSs"[TW] OR "Stimulation tDCS, Cathodal"[TW] OR "Stimulation tDCSs, Cathodal"[TW] OR "tDCS, Cathodal Stimulation"[TW] OR "tDCSs, Cathodal Stimulation"[TW] OR "Transcranial Random Noise Stimulation"[TW] OR "Transcranial Alternating Current Stimulation"[TW] OR "Transcranial Electrical Stimulation"[TW] OR "Electrical Stimulation, Transcranial"[TW] OR "Electrical Stimulations, Transcranial"[TW] OR "Stimulation, Transcranial Electrical"[TW] OR "Stimulations, Transcranial Electrical"[TW] OR "Transcranial Electrical Stimulations"[TW] OR "Anodal Stimulation Transcranial Direct Current Stimulation"[TW] OR "Anodal Stimulation tDCS"[TW] OR "Anodal Stimulation tDCSs"[TW] OR "Stimulation tDCS, Anodal"[TW] OR "Stimulation tDCSs, Anodal"[TW] OR "tDCS, Anodal Stimulation"[TW] OR "tDCSs, Anodal Stimulation"[TW] OR "Repetitive Transcranial Electrical Stimulation"[TW]	6,878

#11	((("NIBS"[TW] OR "NBS"[TW] OR "noninvasive brain stimulation"[TW] OR "non-invasive brain stimulation"[TW]) OR ("Transcranial Magnetic Stimulation"[Mesh])) OR ("Transcranial Magnetic Stimulation"[TW] OR "Magnetic Stimulation, Transcranial"[TW] OR "Magnetic Stimulations, Transcranial"[TW] OR "Stimulation, Transcranial Magnetic"[TW] OR "Stimulations, Transcranial Magnetic"[TW] OR "Transcranial Magnetic Stimulations"[TW] OR "Transcranial Magnetic Stimulation, Single Pulse"[TW] OR "Transcranial Magnetic Stimulation, Paired Pulse"[TW] OR "Transcranial Magnetic Stimulation, Repetitive"[TW] OR "magnetic stimulation"[TW] OR "transcranial stimulation"[TW] OR "transcranial magnetic"[TW] OR "rTMS"[TW] OR "TMS"[TW] OR "Repetitive transcranial magnetic stimulation"[TW])) OR ("Transcranial Direct Current Stimulation"[Mesh])) OR ("Transcranial Direct Current Stimulation"[TW] OR "tDCS"[TW] OR "Cathodal Stimulation Transcranial Direct Current Stimulation"[TW] OR "Cathodal Stimulation tDCS"[TW] OR "Cathodal Stimulation tDCSs"[TW] OR "Stimulation tDCS, Cathodal"[TW] OR "Stimulation tDCSs, Cathodal"[TW] OR "tDCS, Cathodal Stimulation"[TW] OR "tDCSs, Cathodal Stimulation"[TW] OR "Transcranial Random Noise Stimulation"[TW] OR "Transcranial Alternating Current Stimulation"[TW] OR "Transcranial Electrical Stimulation"[TW] OR "Electrical Stimulation, Transcranial"[TW] OR "Electrical Stimulations, Transcranial"[TW] OR "Stimulation, Transcranial Electrical"[TW] OR "Stimulations, Transcranial Electrical"[TW] OR "Transcranial Electrical Stimulations"[TW] OR "Anodal Stimulation Transcranial Direct Current Stimulation"[TW] OR "Anodal Stimulation tDCS"[TW] OR "Anodal Stimulation tDCSs"[TW] OR "Stimulation tDCS, Anodal"[TW] OR "Stimulation tDCSs, Anodal"[TW] OR "tDCS, Anodal Stimulation"[TW] OR "tDCSs, Anodal Stimulation"[TW] OR "Repetitive Transcranial Electrical Stimulation"[TW])	36,045
#12	#5 AND #11	207

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	79,694
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	87,782
#3	"swallowing"/exp	23,693
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,154
#5	#1 OR #2 OR #3 OR #4	112,854
#6	"NIBS":ti,ab,kw,de OR "NBS":ti,ab,kw,de OR "noninvasive brain stimulation":ti,ab,kw,de OR "non-invasive brain stimulation":ti,ab,kw,de	11,160
#7	"transcranial magnetic stimulation"/exp	25,597
#8	"Transcranial Magnetic Stimulation":ti,ab,kw,de OR "Magnetic Stimulation, Transcranial":ti,ab,kw,de OR "Magnetic Stimulations, Transcranial":ti,ab,kw,de OR "Stimulation, Transcranial Magnetic":ti,ab,kw,de OR "Stimulations, Transcranial Magnetic":ti,ab,kw,de OR "Transcranial Magnetic Stimulations":ti,ab,kw,de OR "Transcranial Magnetic Stimulation, Single Pulse":ti,ab,kw,de OR "Transcranial Magnetic Stimulation, Paired Pulse":ti,ab,kw,de OR "Transcranial Magnetic Stimulation, Repetitive":ti,ab,kw,de OR "magnetic stimulation":ti,ab,kw,de OR "transcranial stimulation":ti,ab,kw,de OR "transcranial magnetic":ti,ab,kw,de OR "rTMS":ti,ab,kw,de OR "TMS":ti,ab,kw,de OR "Repetitive transcranial magnetic stimulation":ti,ab,kw,de	38,715
#9	"transcranial direct current stimulation"/exp	7,821

#10	“Transcranial Direct Current Stimulation”:ti,ab,kw,de OR “tDCS”:ti,ab,kw,de OR “Cathodal Stimulation Transcranial Direct Current Stimulation”:ti,ab,kw,de OR “Cathodal Stimulation tDCS”:ti,ab,kw,de OR “Cathodal Stimulation tDCSs”:ti,ab,kw,de OR “Stimulation tDCS, Cathodal”:ti,ab,kw,de OR “Stimulation tDCSs, Cathodal”:ti,ab,kw,de OR “tDCS, Cathodal Stimulation”:ti,ab,kw,de OR “tDCSs, Cathodal Stimulation”:ti,ab,kw,de OR “Transcranial Random Noise Stimulation”:ti,ab,kw,de OR “Transcranial Alternating Current Stimulation”:ti,ab,kw,de OR “Transcranial Electrical Stimulation”:ti,ab,kw,de OR “Electrical Stimulation, Transcranial”:ti,ab,kw,de OR “Electrical Stimulations, Transcranial”:ti,ab,kw,de OR “Stimulation, Transcranial Electrical”:ti,ab,kw,de OR “Stimulations, Transcranial Electrical”:ti,ab,kw,de OR “Transcranial Electrical Stimulations”:ti,ab,kw,de OR “Anodal Stimulation Transcranial Direct Current Stimulation”:ti,ab,kw,de OR “Anodal Stimulation tDCS”:ti,ab,kw,de OR “Anodal Stimulation tDCSs”:ti,ab,kw,de OR “Stimulation tDCS, Anodal”:ti,ab,kw,de OR “Stimulation tDCSs, Anodal”:ti,ab,kw,de OR “tDCS, Anodal Stimulation”:ti,ab,kw,de OR “tDCSs, Anodal Stimulation”:ti,ab,kw,de OR “Repetitive Transcranial Electrical Stimulation”:ti,ab,kw,de	10,767
#11	#6 OR #7 OR #8 OR #9 OR #10	54,854
#12	#5 AND #11	514

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,920
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,847
#3	[mh “Deglutition”]	411
#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)":ti,ab,kw OR “swallow (ingestion)":ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,049
#5	{OR #1-#4}	8,578
#6	“NIBS”:ti,ab,kw OR “NBS”:ti,ab,kw OR “noninvasive brain stimulation”:ti,ab,kw OR “non-invasive brain stimulation”:ti,ab,kw	997
#7	[mh “Transcranial Magnetic Stimulation”]	1,379
#8	“Transcranial Magnetic Stimulation”:ti,ab,kw OR “Magnetic Stimulation, Transcranial”:ti,ab,kw OR “Magnetic Stimulations, Transcranial”:ti,ab,kw OR “Stimulation, Transcranial Magnetic”:ti,ab,kw OR “Stimulations, Transcranial Magnetic”:ti,ab,kw OR “Transcranial Magnetic Stimulations”:ti,ab,kw OR “Transcranial Magnetic Stimulation, Single Pulse”:ti,ab,kw OR “Transcranial Magnetic Stimulation, Paired Pulse”:ti,ab,kw OR “Transcranial Magnetic Stimulation, Repetitive”:ti,ab,kw OR “magnetic stimulation”:ti,ab,kw OR “transcranial stimulation”:ti,ab,kw OR “transcranial magnetic”:ti,ab,kw OR “rTMS”:ti,ab,kw OR “TMS”:ti,ab,kw OR “Repetitive transcranial magnetic stimulation”:ti,ab,kw	6,440
#9	[mh “Transcranial Direct Current Stimulation”]	705

#10	“Transcranial Direct Current Stimulation”:ti,ab,kw OR “tDCS”:ti,ab,kw OR “Cathodal Stimulation Transcranial Direct Current Stimulation”:ti,ab,kw OR “Cathodal Stimulation tDCS”:ti,ab,kw OR “Cathodal Stimulation tDCSs”:ti,ab,kw OR “Stimulation tDCS, Cathodal”:ti,ab,kw OR “Stimulation tDCSs, Cathodal”:ti,ab,kw OR “tDCS, Cathodal Stimulation”:ti,ab,kw OR “tDCSs, Cathodal Stimulation”:ti,ab,kw OR “Transcranial Random Noise Stimulation”:ti,ab,kw OR “Transcranial Alternating Current Stimulation”:ti,ab,kw OR “Transcranial Electrical Stimulation”:ti,ab,kw OR “Electrical Stimulation, Transcranial”:ti,ab,kw OR “Electrical Stimulations, Transcranial”:ti,ab,kw OR “Stimulation, Transcranial Electrical”:ti,ab,kw OR “Stimulations, Transcranial Electrical”:ti,ab,kw OR “Transcranial Electrical Stimulations”:ti,ab,kw OR “Anodal Stimulation Transcranial Direct Current Stimulation”:ti,ab,kw OR “Anodal Stimulation tDCS”:ti,ab,kw OR “Anodal Stimulation tDCSs”:ti,ab,kw OR “Stimulation tDCS, Anodal”:ti,ab,kw OR “Stimulation tDCSs, Anodal”:ti,ab,kw OR “tDCS, Anodal Stimulation”:ti,ab,kw OR “tDCSs, Anodal Stimulation”:ti,ab,kw OR “Repetitive Transcranial Electrical Stimulation”:ti,ab,kw	4,529
#11	{OR #6-#10}	10,505
#12	#5 AND #11	160

4) KMbase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=NIBS] OR [ALL=NBS]) OR [ALL=non-invasive brain stimulation]) OR [ALL=Transcranial Magnetic Stimulation]) OR [ALL=rTMS]) OR [ALL=tDCS]) OR [ALL=Transcranial Direct Current Stimulation]))	13
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=비침습적 뇌자극] OR [ALL=경두개 자기자극]) OR [ALL=경두개적 자기자극]) OR [ALL=경두개직류자극]) OR [ALL=경두개 직류전류자극]) OR [ALL=비침습적 경두개 자극술]))	2
#3	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=NIBS] OR [ALL=NBS]) OR [ALL=non-invasive brain stimulation]) OR [ALL=Transcranial Magnetic Stimulation]) OR [ALL=rTMS]) OR [ALL=tDCS]) OR [ALL=Transcranial Direct Current Stimulation]))	7
#4	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=비침습적 뇌자극] OR [ALL=경두개 자기자극]) OR [ALL=경두개적 자기자극]) OR [ALL=경두개직류자극]) OR [ALL=경두개 직류전류자극]) OR [ALL=비침습적 경두개 자극술]))	2
#5	#1부터 #4까지의 Search Results 단순합계	24

KQ 14. Does enteral tube feeding improve the clinical course, survival, or nutritional status of patients who are likely to have oropharyngeal dysphagia for a long period of time?

1) PubMed

No.	Search Strategies	Search Results
#1	"Deglutition Disorders"[Mesh]	53,945
#2	"Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW]	40,694
#3	"Deglutition"[Mesh]	10,062
#4	"Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]	41,000
#5	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR ((("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]))))	86,395
#6	"Enteral Nutrition"[Mesh]	20,192
#7	"Enteral Nutrition"[TW] OR "Nutrition, Enteral"[TW] OR "Enteral Feeding"[TW] OR "Feeding, Enteral"[TW] OR "Force Feeding"[TW] OR "Feeding, Force"[TW] OR "Feedings, Force"[TW] OR "Force Feedings"[TW] OR "Tube Feeding"[TW] OR "Feeding, Tube"[TW] OR "Gastric Feeding Tubes"[TW] OR "Feeding Tube, Gastric"[TW] OR "Feeding Tubes, Gastric"[TW] OR "Gastric Feeding Tube"[TW] OR "Tube, Gastric Feeding"[TW] OR "Tubes, Gastric Feeding"[TW] OR "enteric feeding"[TW] OR "enteric nutrition"[TW] OR "feeding, enteric"[TW] OR "feeding, intragastric"[TW] OR "intestinal feeding"[TW] OR "intragastric feeding"[TW] OR "intraintestinal feeding"[TW] OR "enteral tube feeding"[TW] OR "Oroesophageal tube"[TW]	29,341
#8	"Intubation, Gastrointestinal"[Mesh]	9,814
#9	"Gastrointestinal Intubation"[TW] OR "Gastrointestinal Intubations"[TW] OR "Intubations, Gastrointestinal"[TW] OR "Intubation, Nasogastric"[TW] OR "Intubations, Nasogastric"[TW] OR "Nasogastric Intubation"[TW] OR "Nasogastric Intubations"[TW] OR "digestive tract intubation"[TW] OR "intubation, digestive tract"[TW] OR "gastrointestinal intubation tube"[TW] OR "intestinal intubation tube"[TW] OR "nasoenteric tube"[TW] OR "nasogastric orogastric tube"[TW] OR "nasogastric/orogastric tube"[TW] OR "oroenteric tube"[TW] OR "nasogastric tube feeding"[TW] OR "NG tube"[TW] OR "nasogastric tube"[TW] OR "Bolus feeding"[TW] OR "Continuous pump feeding"[TW] OR "Gavage tube"[TW]	5,660
#10	"Nasoduodenal tube feeding"[TW] OR "nasojejunal tube feeding"[TW] OR "nasojejunal (NJ) tube"[TW]	33
#11	"Oroesophageal tube feeding"[TW] OR "Oroesophageal (OE) tube feeding"[TW]	1

#12	“Corflo PEG”[TW] OR “PEG tube”[TW] OR “percutaneous endoscopic gastrostomy catheter”[TW] OR “PEG feeding tube insertion”[TW] OR “percutaneous endoscopic gastrostomy feeding tube insertion”[TW] OR “PEG (percutaneous endoscopic gastrostomy) feeding tube insertion”[TW] OR “PEG insertion”[TW] OR “percutaneous endoscopic”[TW] OR “gastrostomy Insertion”[TW] OR “Gastrostomy tube insertion”[TW] OR “G-tube insertion”[TW] OR “PEG tube insertion”[TW] OR “Stomach tube insertion”[TW] OR “Percutaneous endoscopic gastrostomy tube insertion”[TW] OR “Percutaneous radiologic gastrostomy”[TW]	5,020
#13	“Gastrostomy”[Mesh]	8,251
#14	“Gastrostomy”[TW] OR “Gastrostomies”[TW]	12,774
#15	“Interventional procedures”[TW]	4,616
#16	(((((“Enteral Nutrition”[Mesh]) OR (“Enteral Nutrition”[TW] OR “Nutrition, Enteral”[TW] OR “Enteral Feeding”[TW] OR “Feeding, Enteral”[TW] OR “Force Feeding”[TW] OR “Feeding, Force”[TW] OR “Feedings, Force”[TW] OR “Force Feedings”[TW] OR “Tube Feeding”[TW] OR “Feeding, Tube”[TW] OR “Gastric Feeding Tubes”[TW] OR “Feeding Tube, Gastric”[TW] OR “Feeding Tubes, Gastric”[TW] OR “Gastric Feeding Tube”[TW] OR “Tube, Gastric Feeding”[TW] OR “Tubes, Gastric Feeding”[TW] OR “enteric feeding”[TW] OR “enteric nutrition”[TW] OR “feeding, enteric”[TW] OR “feeding, intragastric”[TW] OR “intestinal feeding”[TW] OR “intra gastric feeding”[TW] OR “intra intestinal feeding”[TW] OR “enteral tube feeding”[TW] OR “Oroesophageal tube”[TW])) OR (“Intubation, Gastrointestinal”[Mesh])) OR (“Gastrointestinal Intubation”[TW] OR “Gastrointestinal Intubations”[TW] OR “Intubations, Gastrointestinal”[TW] OR “Intubation, Nasogastric”[TW] OR “Intubations, Nasogastric”[TW] OR “Nasogastric Intubation”[TW] OR “Nasogastric Intubations”[TW] OR “digestive tract intubation”[TW] OR “intubation, digestive tract”[TW] OR “gastrointestinal intubation tube”[TW] OR “intestinal intubation tube”[TW] OR “nasoenteric tube”[TW] OR “nasogastric orogastric tube”[TW] OR “nasogastric/orogastric tube”[TW] OR “oroenteric tube”[TW] OR “nasogastric tube feeding”[TW] OR “NG tube”[TW] OR “nasogastric tube”[TW] OR “Bolus feeding”[TW] OR “Continuous pump feeding”[TW] OR “Gavage tube”[TW])) OR (“Nasoduodenal tube feeding”[TW] OR “nasojejun tube feeding”[TW] OR “nasojejun (NJ) tube”[TW])) OR (“Oroesophageal tube feeding”[TW] OR “Oroesophageal (OE) tube feeding”[TW])) OR (“Corflo PEG”[TW] OR “PEG tube”[TW] OR “percutaneous endoscopic gastrostomy catheter”[TW] OR “PEG feeding tube insertion”[TW] OR “percutaneous endoscopic gastrostomy feeding tube insertion”[TW] OR “PEG (percutaneous endoscopic gastrostomy) feeding tube insertion”[TW] OR “PEG insertion”[TW] OR “percutaneous endoscopic”[TW] OR “gastrostomy Insertion”[TW] OR “Gastrostomy tube insertion”[TW] OR “G-tube insertion”[TW] OR “PEG tube insertion”[TW] OR “Stomach tube insertion”[TW] OR “Percutaneous endoscopic gastrostomy tube insertion”[TW] OR “Percutaneous radiologic gastrostomy”[TW])) OR (“Gastrostomy”[Mesh])) OR (“Gastrostomy”[TW] OR “Gastrostomies”[TW])) OR (“Interventional procedures”[TW])	53,246
#17	#5 AND #16	4,247

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	“dysphagia”/exp	80,331
#2	“Deglutition Disorders”:ti,ab,kw,de OR “Deglutition Disorder”:ti,ab,kw,de OR “Disorders, Deglutition”:ti,ab,kw,de OR “Swallowing Disorders”:ti,ab,kw,de OR “Swallowing Disorder”:ti,ab,kw,de OR “Dysphagia”:ti,ab,kw,de OR “Oropharyngeal Dysphagia”:ti,ab,kw,de OR “Dysphagia, Oropharyngeal”:ti,ab,kw,de OR “aphagopragia”:ti,ab,kw,de OR “deglutition difficulty”:ti,ab,kw,de OR “deglutition disorder”:ti,ab,kw,de OR “deglutition disorders”:ti,ab,kw,de OR “difficult deglutition”:ti,ab,kw,de OR “difficulty in swallowing”:ti,ab,kw,de OR “difficulty swallowing”:ti,ab,kw,de OR “dysphagias”:ti,ab,kw,de OR “swallowing difficult”:ti,ab,kw,de OR “swallowing difficultness”:ti,ab,kw,de OR “swallowing difficulty”:ti,ab,kw,de OR “swallowing disorder”:ti,ab,kw,de OR “swallow impairment”:ti,ab,kw,de OR “swallowing problem”:ti,ab,kw,de OR “Swallowing Disturbance”:ti,ab,kw,de OR “impaired swallowing”:ti,ab,kw,de	88,435
#3	“swallowing”/exp	23,802
#4	“Deglutition”:ti,ab,kw,de OR “Deglutitions”:ti,ab,kw,de OR “Swallowing”:ti,ab,kw,de OR “Swallowings”:ti,ab,kw,de OR “oropharyngeal swallow”:ti,ab,kw,de OR “reflex, deglutition”:ti,ab,kw,de OR “swallow (deglutition)”:ti,ab,kw,de OR “swallow (ingestion)”:ti,ab,kw,de OR “swallow function”:ti,ab,kw,de OR “swallow reflex”:ti,ab,kw,de OR “swallowing reflex”:ti,ab,kw,de	43,390

#5	#1 OR #2 OR #3 OR #4	113,638
#6	“enteric feeding”/exp	34,326
#7	“Enteral Nutrition”:ti,ab,kw,de OR “Nutrition, Enteral”:ti,ab,kw,de OR “Enteral Feeding”:ti,ab,kw,de OR “Feeding, Enteral”:ti,ab,kw,de OR “Force Feeding”:ti,ab,kw,de OR “Feeding, Force”:ti,ab,kw,de OR “Feedings, Force”:ti,ab,kw,de OR “Force Feedings”:ti,ab,kw,de OR “Tube Feeding”:ti,ab,kw,de OR “Feeding, Tube”:ti,ab,kw,de OR “Gastric Feeding Tubes”:ti,ab,kw,de OR “Feeding Tube, Gastric”:ti,ab,kw,de OR “Feeding Tubes, Gastric”:ti,ab,kw,de OR “Gastric Feeding Tube”:ti,ab,kw,de OR “Tube, Gastric Feeding”:ti,ab,kw,de OR “Tubes, Gastric Feeding”:ti,ab,kw,de OR “enteric feeding”:ti,ab,kw,de OR “enteric nutrition”:ti,ab,kw,de OR “feeding, enteric”:ti,ab,kw,de OR “feeding, intragastric”:ti,ab,kw,de OR “intestinal feeding”:ti,ab,kw,de OR “intragastric feeding”:ti,ab,kw,de OR “intraintestinal feeding”:ti,ab,kw,de OR “enteral tube feeding”:ti,ab,kw,de OR “Oroesophageal tube”:ti,ab,kw,de	48,132
#8	“digestive tract intubation”/exp	7,411
#9	“gastrointestinal intubation tube”/exp	12,477
#10	“Gastrointestinal Intubation”:ti,ab,kw,de OR “Gastrointestinal Intubations”:ti,ab,kw,de OR “Intubations, Gastrointestinal”:ti,ab,kw,de OR “Intubation, Nasogastric”:ti,ab,kw,de OR “Intubations, Nasogastric”:ti,ab,kw,de OR “Nasogastric Intubation”:ti,ab,kw,de OR “Nasogastric Intubations”:ti,ab,kw,de OR “digestive tract intubation”:ti,ab,kw,de OR “intubation, digestive tract”:ti,ab,kw,de OR “gastrointestinal intubation tube”:ti,ab,kw,de OR “intestinal intubation tube”:ti,ab,kw,de OR “nasoenteric tube”:ti,ab,kw,de OR “nasogastric orogastric tube”:ti,ab,kw,de OR “nasogastric/orogastric tube”:ti,ab,kw,de OR “oroenteric tube”:ti,ab,kw,de OR “nasogastric tube feeding”:ti,ab,kw,de OR “NG tube”:ti,ab,kw,de OR “nasogastric tube”:ti,ab,kw,de OR “Bolus feeding”:ti,ab,kw,de OR “Continuous pump feeding”:ti,ab,kw,de OR “Gavage tube”:ti,ab,kw,de	19,602
#11	“Nasoduodenal tube feeding”:ti,ab,kw,de OR “nasojejun tube feeding”:ti,ab,kw,de OR “nasojejun (NJ) tube”:ti,ab,kw,de	99
#12	“Oroesophageal tube feeding”:ti,ab,kw,de OR “Oroesophageal (OE) tube feeding”:ti,ab,kw,de	4
#13	“percutaneous endoscopic gastrostomy tube”/exp	723
#14	“Corflo PEG”:ti,ab,kw,de OR “PEG tube”:ti,ab,kw,de OR “percutaneous endoscopic gastrostomy catheter”:ti,ab,kw,de OR “PEG feeding tube insertion”:ti,ab,kw,de OR “percutaneous endoscopic gastrostomy feeding tube insertion”:ti,ab,kw,de OR “PEG (percutaneous endoscopic gastrostomy) feeding tube insertion”:ti,ab,kw,de OR “PEG insertion”:ti,ab,kw,de OR “percutaneous endoscopic”:ti,ab,kw,de OR “gastrostomy Insertion”:ti,ab,kw,de OR “Gastrostomy tube insertion”:ti,ab,kw,de OR “G-tube insertion”:ti,ab,kw,de OR “PEG tube insertion”:ti,ab,kw,de OR “Stomach tube insertion”:ti,ab,kw,de OR “Percutaneous endoscopic gastrostomy tube insertion”:ti,ab,kw,de OR “Percutaneous radiologic gastrostomy”:ti,ab,kw,de	10,622
#15	“gastrostomy”/exp	12,223
#16	“Gastrostomy”:ti,ab,kw,de OR “Gastrostomies”:ti,ab,kw,de	22,824
#17	“Interventional procedures”:ti,ab,kw,de	7,977
#18	#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17	92,120
#19	#5 AND #18	8,455

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,929
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,897
#3	[mh “Deglutition”]	412

#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)":ti,ab,kw OR “swallow (ingestion)":ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,094
#5	{OR #1-#4}	8,656
#6	[mh “Enteral Nutrition”]	1,865
#7	“Enteral Nutrition”:ti,ab,kw OR “Nutrition, Enteral”:ti,ab,kw OR “Enteral Feeding”:ti,ab,kw OR “Feeding, Enteral”:ti,ab,kw OR “Force Feeding”:ti,ab,kw OR “Feeding, Force”:ti,ab,kw OR “Feedings, Force”:ti,ab,kw OR “Force Feedings”:ti,ab,kw OR “Tube Feeding”:ti,ab,kw OR “Feeding, Tube”:ti,ab,kw OR “Gastric Feeding Tubes”:ti,ab,kw OR “Feeding Tube, Gastric”:ti,ab,kw OR “Feeding Tubes, Gastric”:ti,ab,kw OR “Gastric Feeding Tube”:ti,ab,kw OR “Tube, Gastric Feeding”:ti,ab,kw OR “Tubes, Gastric Feeding”:ti,ab,kw OR “enteric feeding”:ti,ab,kw OR “enteric nutrition”:ti,ab,kw OR “feeding, enteric”:ti,ab,kw OR “feeding, intragastric”:ti,ab,kw OR “intestinal feeding”:ti,ab,kw OR “intragastric feeding”:ti,ab,kw OR “intraintestinal feeding”:ti,ab,kw OR “enteral tube feeding”:ti,ab,kw OR “Oroesophageal tube”:ti,ab,kw	6,191
#8	[mh “Intubation, Gastrointestinal”]	684
#9	“Gastrointestinal Intubation”:ti,ab,kw OR “Gastrointestinal Intubations”:ti,ab,kw OR “Intubations, Gastrointestinal”:ti,ab,kw OR “Intubation, Nasogastric”:ti,ab,kw OR “Intubations, Nasogastric”:ti,ab,kw OR “Nasogastric Intubation”:ti,ab,kw OR “Nasogastric Intubations”:ti,ab,kw OR “digestive tract intubation”:ti,ab,kw OR “intubation, digestive tract”:ti,ab,kw OR “gastrointestinal intubation tube”:ti,ab,kw OR “intestinal intubation tube”:ti,ab,kw OR “nasoenteric tube”:ti,ab,kw OR “nasogastric orogastric tube”:ti,ab,kw OR “nasogastric/orogastric tube”:ti,ab,kw OR “oroenteric tube”:ti,ab,kw OR “nasogastric tube feeding”:ti,ab,kw OR “NG tube”:ti,ab,kw OR “nasogastric tube”:ti,ab,kw OR “Bolus feeding”:ti,ab,kw OR “Continuous pump feeding”:ti,ab,kw OR “Gavage tube”:ti,ab,kw	1,895
#10	“Nasoduodenal tube feeding”:ti,ab,kw OR “nasojejunal tube feeding”:ti,ab,kw OR “nasojejunal (NJ) tube”:ti,ab,kw	21
#11	“Oroesophageal tube feeding”:ti,ab,kw OR “Oroesophageal (OE) tube feeding”:ti,ab,kw	5
#12	“Corflo PEG”:ti,ab,kw OR “PEG tube”:ti,ab,kw OR “percutaneous endoscopic gastrostomy catheter”:ti,ab,kw OR “PEG feeding tube insertion”:ti,ab,kw OR “percutaneous endoscopic gastrostomy feeding tube insertion”:ti,ab,kw OR “PEG (percutaneous endoscopic gastrostomy) feeding tube insertion”:ti,ab,kw OR “PEG insertion”:ti,ab,kw OR “percutaneous endoscopic”:ti,ab,kw OR “gastrostomy Insertion”:ti,ab,kw OR “Gastrostomy tube insertion”:ti,ab,kw OR “G-tube insertion”:ti,ab,kw OR “PEG tube insertion”:ti,ab,kw OR “Stomach tube insertion”:ti,ab,kw OR “Percutaneous endoscopic gastrostomy tube insertion”:ti,ab,kw OR “Percutaneous radiologic gastrostomy”:ti,ab,kw	415
#13	[mh “Gastrostomy”]	189
#14	“Gastrostomy”:ti,ab,kw OR “Gastrostomies”:ti,ab,kw	671
#15	“Interventional procedures”:ti,ab,kw	301
#16	{OR #6-#15}	8,659
#17	#5 AND #16	444

4) Kibase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=Enteral Nutrition] OR [ALL=Enteral Feeding]) OR [ALL=Tube Feeding]) OR [ALL=tube insertion]))	77
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Gastric Feeding Tubes] OR [ALL=enteric feeding]) OR [ALL=intestinal feeding]) OR [ALL=intragastric feeding]) OR [ALL=Oroesophageal tube]) OR [ALL=Gastrointestinal Intubation]))	8
#3	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Nasogastric Intubation] OR [ALL=intestinal intubation tube]) OR [ALL=nasoenteric tube]) OR [ALL=nasogastric orogastric tube]))	2

#4	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=percutaneous endoscopic gastrostomy tube] OR [ALL=PEG]) OR [ALL=NG]) OR [ALL=OE]) OR [ALL=Gastrostomy]) OR [ALL=Interventional procedures]))	119
#5	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=경관식이] OR [ALL=소화관 영양])	1
#6	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=경장 영양] OR [ALL=위장관 튜브])	2
#7	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=위장관 삽관] OR [ALL=코위삽관])	0
#8	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=소화관 삽관] OR [ALL=위창념])	0
#9	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=위조루] OR [ALL=위루술])	18
#10	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=위루형성술] OR [ALL=위루설치술])	1
#11	([ALL=구인두 연하장애] OR [ALL=연하장애]) AND ((([ALL=Enteral Nutrition] OR [ALL=Enteral Feeding]) OR [ALL=Tube Feeding]) OR [ALL=tube insertion])	10
#12	([ALL=구인두 연하장애] OR [ALL=연하장애]) AND ((([ALL=Gastric Feeding Tubes] OR [ALL=enteric feeding]) OR [ALL=intestinal feeding]) OR [ALL=intragastric feeding])	0
#13	([ALL=구인두 연하장애] OR [ALL=연하장애]) AND ((([ALL=Oroesophageal tube] OR [ALL=Gastrointestinal Intubation]) OR [ALL=Nasogastric Intubation]) OR [ALL=intestinal intubation tube])	2
#14	([ALL=구인두 연하장애] OR [ALL=연하장애]) AND ((([ALL=nasoenteric tube] OR [ALL=nasogastric orogastric tube]) OR [ALL=percutaneous endoscopic gastrostomy tube]) OR [ALL=PEG])	3
#15	([ALL=구인두 연하장애] OR [ALL=연하장애]) AND ((([ALL=NG] OR [ALL=OE]) OR [ALL=Gastrostomy]) OR [ALL=Interventional procedures])	9
#16	(((ALL=삼킴장애] OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=Enteral Nutrition] OR [ALL=Enteral Feeding]) OR [ALL=Tube Feeding]) OR [ALL=tube insertion])	32
#17	(((ALL=삼킴장애] OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=Gastric Feeding Tubes] OR [ALL=enteric feeding]) OR [ALL=intestinal feeding]) OR [ALL=intragastric feeding])	0
#18	(((ALL=삼킴장애] OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=Oroesophageal tube] OR [ALL=Gastrointestinal Intubation]) OR [ALL=Nasogastric Intubation]) OR [ALL=intestinal intubation tube])	6
#19	(((ALL=삼킴장애] OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=nasoenteric tube] OR [ALL=nasogastric orogastric tube]) OR [ALL=percutaneous endoscopic gastrostomy tube]) OR [ALL=PEG])	12
#20	(((ALL=삼킴장애] OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ((([ALL=NG] OR [ALL=OE]) OR [ALL=Gastrostomy]) OR [ALL=Interventional procedures])	34
#21	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ([ALL=경관식이] OR [ALL=소화관 영양])	1
#22	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ([ALL=경장 영양] OR [ALL=위장관 튜브])	4
#23	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ([ALL=위장관 삽관] OR [ALL=코위삽관])	0
#24	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ([ALL=소화관 삽관] OR [ALL=위창념])	0
#25	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ([ALL=위조루] OR [ALL=위루술])	14
#26	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하] OR [ALL=삼킴]) AND ([ALL=위루형성술] OR [ALL=위루설치술])	1
#27	#1부터 #26까지의 Search Results 단순합계	356

KQ 15. Does texture modification of food or liquid affect the clinical course (nutrition status or dehydration) of dysphagia?**1) PubMed**

No.	Search Strategies	Search Results
#1	"Deglutition Disorders"[Mesh]	53,884
#2	"Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "difficulty in swallowing"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW]	40,663
#3	"Deglutition"[Mesh]	10,056
#4	"Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]	40,976
#5	#1 OR #2 OR #3 OR #4	86,321
#6	"Food, Formulated"[Mesh]	10,701
#7	"Food, Formulated"[TW] OR "Foods, Formulated"[TW] OR "Formulated Food"[TW] OR "Formulated Foods"[TW] OR "Synthetic Diet"[TW] OR "Diets, Synthetic"[TW] OR "Diet, Synthetic"[TW] OR "Diet, Formula"[TW] OR "Diets, Formula"[TW] OR "Dietary Formulations"[TW] OR "Dietary Formulation"[TW] OR "Formulation, Dietary"[TW] OR "Formulations, Dietary"[TW] OR "Diet, Chemically Defined"[TW] OR "Chemically Defined Diet"[TW] OR "Chemically Defined Diets"[TW] OR "Diets, Chemically Defined"[TW] OR "Diet, Elemental"[TW] OR "Diets, Elemental"[TW] OR "Elemental Diet"[TW] OR "Elemental Diets"[TW] OR "liquid modification"[TW] OR "texture modification"[TW] OR "texture modified"[TW] OR "texture modified diets"[TW] OR "Food texture"[TW] OR "Texture"[TW] OR "Modification"[TW] OR "Oral Dietary intervention"[TW] OR "water"[TW] OR "Oral dietary intake"[TW] OR "Diet modification"[TW] OR "modified diet"[TW] OR "pureed"[TW] OR "puding-liked"[TW] OR "minced"[TW] OR "semi-soild food"[TW] OR "Transition food"[TW]	1,301,854
#8	"dysphagia diet"[TW] OR "dysphagia diets"[TW]	101
#9	"thickened liquids"[TW] OR "drink thickness"[TW] OR "Thickener"[TW] OR "Thickeners"[TW] OR "Thickening"[TW] OR "nectar-thick"[TW] OR "honey-liked"[TW] OR "spoon-thick"[TW]	42,814
#10	"International Dysphagia Diet Standardisation Initiative"[TW] OR "IDDSI"[TW] OR "National Dysphagia Diet Level"[TW]	45
#11	#6 OR #7 OR #8 OR #9 OR #10	1,347,086
#12	#5 AND #11	4,025

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	80,280
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	88,385

#3	“swallowing”/exp	23,786
#4	“Deglutition”:ti,ab,kw,de OR “Deglutitions”:ti,ab,kw,de OR “Swallowing”:ti,ab,kw,de OR “Swallowings”:ti,ab,kw,de OR “oropharyngeal swallow”:ti,ab,kw,de OR “reflex, deglutition”:ti,ab,kw,de OR “swallow (deglutition)”:ti,ab,kw,de OR “swallow (ingestion)”:ti,ab,kw,de OR “swallow function”:ti,ab,kw,de OR “swallow reflex”:ti,ab,kw,de OR “swallowing reflex”:ti,ab,kw,de	43,364
#5	#1 OR #2 OR #3 OR #4	113,566
#6	“elemental diet”/exp	3,404
#7	“Food, Formulated”:ti,ab,kw,de OR “Foods, Formulated”:ti,ab,kw,de OR “Formulated Food”:ti,ab,kw,de OR “Formulated Foods”:ti,ab,kw,de OR “Synthetic Diet”:ti,ab,kw,de OR “Diets, Synthetic”:ti,ab,kw,de OR “Diet, Synthetic”:ti,ab,kw,de OR “Diet, Formula”:ti,ab,kw,de OR “Diets, Formula”:ti,ab,kw,de OR “Dietary Formulations”:ti,ab,kw,de OR “Dietary Formulation”:ti,ab,kw,de OR “Formulation, Dietary”:ti,ab,kw,de OR “Formulations, Dietary”:ti,ab,kw,de OR “Diet, Chemically Defined”:ti,ab,kw,de OR “Chemically Defined Diet”:ti,ab,kw,de OR “Chemically Defined Diets”:ti,ab,kw,de OR “Diets, Chemically Defined”:ti,ab,kw,de OR “Diet, Elemental”:ti,ab,kw,de OR “Diets, Elemental”:ti,ab,kw,de OR “Elemental Diet”:ti,ab,kw,de OR “Elemental Diets”:ti,ab,kw,de OR “liquid modification”:ti,ab,kw,de OR “texture modification”:ti,ab,kw,de OR “texture modified”:ti,ab,kw,de OR “texture modified diets”:ti,ab,kw,de OR “Food texture”:ti,ab,kw,de OR “Texture”:ti,ab,kw,de OR “Modification”:ti,ab,kw,de OR “Oral Dietary intervention”:ti,ab,kw,de OR “water”:ti,ab,kw,de OR “Oral dietary intake”:ti,ab,kw,de OR “Diet modification”:ti,ab,kw,de OR “modified diet”:ti,ab,kw,de OR “pureed”:ti,ab,kw,de OR “puding-liked”:ti,ab,kw,de OR “minced”:ti,ab,kw,de OR “semi-soild food”:ti,ab,kw,de OR “Transition food”:ti,ab,kw,de	1,698,038
#8	“dysphagia diet”:ti,ab,kw,de OR “dysphagia diets”:ti,ab,kw,de	187
#9	“thickened liquids”:ti,ab,kw,de OR “drink thickness”:ti,ab,kw,de OR “Thickener”:ti,ab,kw,de OR “Thickeners”:ti,ab,kw,de OR “Thickening”:ti,ab,kw,de OR “nectar-thick”:ti,ab,kw,de OR “honey-liked”:ti,ab,kw,de OR “spoon-thick”:ti,ab,kw,de	67,515
#10	“International Dysphagia Diet Standardisation Initiative”:ti,ab,kw,de OR “IDDSI”:ti,ab,kw,de OR “National Dysphagia Diet Level”:ti,ab,kw,de	111
#11	#6 OR #7 OR #8 OR #9 OR #10	1,762,350
#12	#5 AND #11	7,013

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,929
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,896
#3	[mh “Deglutition”]	412
#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)”:ti,ab,kw OR “swallow (ingestion)”:ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,094
#5	#1 OR #2 OR #3 OR #4	8,655
#6	[mh “Food, Formulated”]	1,402

#7	“Food, Formulated”:ti,ab,kw OR “Foods, Formulated”:ti,ab,kw OR “Formulated Food”:ti,ab,kw OR “Formulated Foods”:ti,ab,kw OR “Synthetic Diet”:ti,ab,kw OR “Diets, Synthetic”:ti,ab,kw OR “Diet, Synthetic”:ti,ab,kw OR “Diet, Formula”:ti,ab,kw OR “Diets, Formula”:ti,ab,kw OR “Dietary Formulations”:ti,ab,kw OR “Dietary Formulation”:ti,ab,kw OR “Formulation, Dietary”:ti,ab,kw OR “Formulations, Dietary”:ti,ab,kw OR “Diet, Chemically Defined”:ti,ab,kw OR “Chemically Defined Diet”:ti,ab,kw OR “Chemically Defined Diets”:ti,ab,kw OR “Diets, Chemically Defined”:ti,ab,kw OR “Diet, Elemental”:ti,ab,kw OR “Diets, Elemental”:ti,ab,kw OR “Elemental Diet”:ti,ab,kw OR “Elemental Diets”:ti,ab,kw OR “liquid modification”:ti,ab,kw OR “texture modification”:ti,ab,kw OR “texture modified”:ti,ab,kw OR “texture modified diets”:ti,ab,kw OR “Food texture”:ti,ab,kw OR “Texture”:ti,ab,kw OR “Modification”:ti,ab,kw OR “Oral Dietary intervention”:ti,ab,kw OR “water”:ti,ab,kw OR “Oral dietary intake”:ti,ab,kw OR “Diet modification”:ti,ab,kw OR “modified diet”:ti,ab,kw OR “pureed”:ti,ab,kw OR “puding-liked”:ti,ab,kw OR “minced”:ti,ab,kw OR “semi-soild food”:ti,ab,kw OR “Transition food”:ti,ab,kw	48,067
#8	“dysphagia diet”:ti,ab,kw OR “dysphagia diets”:ti,ab,kw	17
#9	“thickened liquids”:ti,ab,kw OR “drink thickness”:ti,ab,kw OR “Thickener”:ti,ab,kw OR “Thickeners”:ti,ab,kw OR “Thickening”:ti,ab,kw OR “nectar-thick”:ti,ab,kw OR “honey-liked”:ti,ab,kw OR “spoon-thick”:ti,ab,kw	1,641
#10	“International Dysphagia Diet Standardisation Initiative”:ti,ab,kw OR “IDDSI”:ti,ab,kw OR “National Dysphagia Diet Level”:ti,ab,kw	13
#11	#6 OR #7 OR #8 OR #9 OR #10	50,215
#12	#5 AND #11	733

4) Kibase

No.	Search Strategies	Search Results
#1	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((((((([ALL=Formulated Food] OR [ALL=Formulated Foods]) OR [ALL=elemental diet]) OR [ALL=dysphagia diet]) OR [ALL=dysphagia diets]) OR [ALL=Texture]) OR [ALL=Modification]) OR [ALL=Transition food]) OR [ALL=Thickener]) OR [ALL=Thickeners]) OR [ALL=Thickening]))	106
#2	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=연하식] OR [ALL=고형식]) OR [ALL=유동식]))	14
#3	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((((((([ALL=Formulated Food] OR [ALL=Formulated Foods]) OR [ALL=elemental diet]) OR [ALL=dysphagia diet]) OR [ALL=dysphagia diets]) OR [ALL=Texture]) OR [ALL=Modification]) OR [ALL=Transition food]) OR [ALL=Thickener]) OR [ALL=Thickeners]) OR [ALL=Thickening]))	53
#4	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (([ALL=연하식] OR [ALL=고형식]) OR [ALL=유동식]))	18
#5	#1부터 #4까지의 Search Results 단순합계	191

KQ 16. Does nutrition intervention improve intake or nutritional status in patients with oropharyngeal dysphagia?**1) PubMed**

No.	Search Strategies	Search Results
#1	"Deglutition Disorders"[Mesh]	53,945
#2	"Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW]	40,694
#3	"Deglutition"[Mesh]	10,062
#4	"Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]	41,000
#5	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR ((("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]))))	86,395
#6	"Nutrition Interventions"[TW] OR "Nutritional Interventions"[TW] OR "Nutritional Support"[TW] OR "Nutrition Management"[TW] OR "Nutritional Management"[TW] OR "Nutritional Therapy"[TW] OR "Nutrition Therapies"[TW] OR "Nutritional Therapies"[TW] OR "Nutrition Screening"[TW] OR "Nutritional Assessment"[TW] OR "Nutrition Requirement"[TW] OR "Nutrition Prescription"[TW] OR "Nutritional prescription"[TW] OR "Nutrition Intake"[TW] OR "Nutritional intake"[TW] OR "Nutrition Counselling"[TW] OR "Artificial Nutrition"[TW] OR "Artificial feeding"[TW] OR "Artificial Supplementary Nutrition"[TW] OR "Oral Nutritional Supplement"[TW] OR "Enteral Nutrition"[TW] OR "Parenteral Nutrition"[TW] OR "Dietary Intervention"[TW] OR "Dietary Intake"[TW] OR "Food intake"[TW] OR "Nutrient Intake"[TW] OR "Malnutrition"[TW] OR "Modified texture diet"[TW] OR "Modified diet"[TW] OR "Texture-Modified Diet"[TW] OR "Dysphagia Diet"[TW] OR "Nutrition Monitoring and Evaluation"[TW] OR "Nutrition status"[TW] OR "Nutritional status"[TW] OR "Nutrition Strategy"[TW] OR "Nutritional Strategy"[TW] OR "Nutrition Strategies"[TW] OR "Nutritional Strategies"[TW] OR "Supplementation"[TW] OR "Dietary prescription"[TW]	355,903
#7	"Nutrition Assessment"[Mesh]	15,684
#8	"Nutrition Assessment"[TW] OR "Assessments, Nutrition"[TW] OR "Nutrition Assessments"[TW] OR "Nutritional Assessment"[TW] OR "Assessment, Nutritional"[TW] OR "Assessments, Nutritional"[TW] OR "Nutritional Assessments"[TW] OR "Assessment, Nutrition"[TW] OR "Nutrition Indexes"[TW] OR "Indexes, Nutrition"[TW] OR "Nutrition Indices"[TW] OR "Nutritional Index"[TW] OR "Index, Nutritional"[TW] OR "Indices, Nutritional"[TW] OR "Nutritional Indices"[TW] OR "Nutrition Index"[TW] OR "Index, Nutrition"[TW] OR "Indices, Nutrition"[TW] OR "Prognostic Nutritional Index (PNI)"[TW] OR "Index, Prognostic Nutritional (PNI)"[TW] OR "Indices, Prognostic Nutritional (PNI)"[TW] OR "Nutritional Index, Prognostic (PNI)"[TW] OR "Nutritional Indices, Prognostic (PNI)"[TW] OR "Prognostic Nutritional Indices (PNI)"[TW] OR "Prognostic Nutritional Index"[TW] OR "Index, Prognostic Nutritional"[TW] OR "Indices, Prognostic Nutritional"[TW] OR "Nutritional Index, Prognostic"[TW] OR "Nutritional Indices, Prognostic"[TW] OR "Prognostic Nutritional Indices"[TW] OR "Mini Nutritional Assessment"[TW] OR "Assessment, Mini Nutritional"[TW] OR	27,856

	“Assessments, Mini Nutritional”[TW] OR “Mini Nutritional Assessments”[TW] OR “Nutritional Assessment, Mini”[TW] OR “Nutritional Assessments, Mini”[TW] OR “Mini Nutrition Assessment”[TW] OR “Assessment, Mini Nutrition”[TW] OR “Assessments, Mini Nutrition”[TW] OR “Mini Nutrition Assessments”[TW] OR “Nutrition Assessment, Mini”[TW] OR “Nutrition Assessments, Mini”[TW] OR “dietary assessment”[TW] OR “dietary evaluation”[TW] OR “nutritional evaluation”[TW] OR “nutritional screening”[TW] OR “nutritional assessment”[TW] OR “Formal nutritionist assessment”[TW] OR “Nutritional requirement”[TW] OR “nutrition therapy”[TW] OR “meal plan”[TW] OR “meal management”[TW] OR “meal assessment”[TW]	
#9	“Deglutition Disorders/diet therapy”[Mesh]	279
#10	“education, nutrition”[TW] OR “food education”[TW] OR “nutritional education”[TW] OR “Nutrition education”[TW] OR “nutrition counseling”[TW] OR “nutritional counseling”[TW] OR “Dysphagia diet education”[TW]	7,418
#11	“Bioelectric impedance analysis”[TW] OR “Malnutrition Universal Screening Tool”[TW] OR “Nutrition Risk Screening 2002”[TW] OR “NRS 2002”[TW] OR “Mini Nutritional Assessment “[TW] OR “Mini Nutritional Assessment Short Form Version 1”[TW] OR “MNA-SF-V1”[TW] OR “Simplified Nutritional Appetite Questionnaire”[TW] OR “SNAQ”[TW] OR “Skeletal muscle index”[TW] OR “The Council on Nutrition Appetite Questionnaire”[TW] OR “CNAQ”[TW] OR “The original Short Nutritional Assessment Questionnaire”[TW] OR “SNAQ-NL”[TW] OR “Mini Nutritional Assessment-Full Form”[TW] OR “MNA-FF”[TW] OR “modified Malnutrition Universal Screening Tool “[TW] OR “Korean Version of Simplified Nutritional Appetite Questionnaire”[TW] OR “Geriatric Nutrition Risk Index”[TW] OR “GNRI”[TW] OR “triceps skinfold thickness”[TW] OR “psoas muscle index”[TW] OR “Global Leadership Initiative on Malnutrition”[TW] OR “GLIM”[TW] OR “mid-arm circumference”[TW] OR “mid-arm muscle circumference”[TW] OR “MAMC”[TW] OR “Serum albumin”[TW] OR “prealbumin”[TW] OR “serum transferrin”[TW] OR “total lymphocyte count”[TW] OR “hemoglobin”[TW] OR “Hematocrit”[TW] OR “Creatinine Height Index”[TW] OR “% Ideal body weight”[TW] OR “Subjective Global Assessment”[TW] OR “Patient-Generated Subjective Global Assessment”[TW] OR “PG-SGA”[TW] OR “Bioelectrical impedance analysis, Phase angle”[TW] OR “Handgrip Strength”[TW] OR “Body Mass Index”[TW] OR “BMI”[TW] OR “Weight Change”[TW] OR “fat mass”[TW] OR “fat free mass”[TW] OR “Food frequency questionnaire”[TW] OR “24-hour diet recall”[TW] OR “24 hr recall method”[TW] OR “NUTRIC Score”[TW]	637,578
#12	(((“Nutrition Interventions”[TW] OR “Nutritional Interventions”[TW] OR “Nutritional Support”[TW] OR “Nutrition Management”[TW] OR “Nutritional Management”[TW] OR “Nutritional Therapy”[TW] OR “Nutrition Therapies”[TW] OR “Nutritional Therapies”[TW] OR “Nutrition Screening”[TW] OR “Nutritional Assessment”[TW] OR “Nutrition Requirement”[TW] OR “Nutrition Prescription”[TW] OR “Nutritional prescription”[TW] OR “Nutrition Intake”[TW] OR “Nutritional intake”[TW] OR “Nutrition Counselling”[TW] OR “Artificial Nutrition”[TW] OR “Artificial feeding”[TW] OR “Artificial Supplementary Nutrition “[TW] OR “Oral Nutritional Supplement”[TW] OR “Enteral Nutrition”[TW] OR “Parenteral Nutrition”[TW] OR “Dietary Intervention”[TW] OR “Dietary Intake”[TW] OR “Food intake”[TW] OR “Nutrient Intake”[TW] OR “Malnutrition”[TW] OR “Modified texture diet”[TW] OR “Modified diet”[TW] OR “Texture-Modified Diet”[TW] OR “Dysphagia Diet”[TW] OR “Nutrition Monitoring and Evaluation”[TW] OR “Nutrition status”[TW] OR “Nutritional status”[TW] OR “Nutrition Strategy”[TW] OR “Nutritional Strategy”[TW] OR “Nutrition Strategies”[TW] OR “Nutritional Strategies”[TW] OR “Supplementation”[TW] OR “Dietary prescription”[TW]) OR (“Nutrition Assessment”[Mesh])) OR (“Nutrition Assessment”[TW] OR “Assessments, Nutrition”[TW] OR “Nutrition Assessments”[TW] OR “Nutritional Assessment”[TW] OR “Assessment, Nutritional”[TW] OR “Assessments, Nutritional”[TW] OR “Nutritional Assessments”[TW] OR “Assessment, Nutrition”[TW] OR “Nutrition Indexes”[TW] OR “Indexes, Nutrition”[TW] OR “Nutrition Indices”[TW] OR “Nutritional Index”[TW] OR “Index, Nutritional”[TW] OR “Indices, Nutritional”[TW] OR “Nutritional Indices”[TW] OR “Nutrition Index”[TW] OR “Index, Nutrition”[TW] OR “Indices, Nutrition”[TW] OR “Prognostic Nutritional Index (PNI)”[TW] OR “Index, Prognostic Nutritional (PNI)”[TW] OR “Indices, Prognostic Nutritional (PNI)”[TW] OR “Nutritional Index, Prognostic (PNI)”[TW] OR “Nutritional Indices, Prognostic (PNI)”[TW] OR “Prognostic Nutritional Indices (PNI)”[TW] OR “Prognostic Nutritional Index”[TW] OR “Index, Prognostic Nutritional”[TW] OR “Indices, Prognostic Nutritional”[TW] OR “Nutritional Index, Prognostic”[TW] OR “Nutritional Indices, Prognostic”[TW] OR “Assessment, Mini Nutritional”[TW] OR “Assessments, Mini Nutritional”[TW] OR “Mini Nutritional Assessments”[TW] OR “Nutritional Assessment, Mini”[TW] OR “Nutritional Assessments, Mini”[TW] OR “Mini Nutrition Assessment”[TW] OR “Assessment, Mini Nutrition”[TW] OR “Assessments,	954,685

	Mini Nutrition"[TW] OR "Mini Nutrition Assessments"[TW] OR "Nutrition Assessment, Mini"[TW] OR "Nutrition Assessments, Mini"[TW] OR "dietary assessment"[TW] OR "dietary evaluation"[TW] OR "nutritional evaluation"[TW] OR "nutritional screening"[TW] OR "nutritional assessment"[TW] OR "Formal nutritionist assessment"[TW] OR "Nutritional requirement"[TW] OR "nutrition therapy"[TW] OR "meal plan"[TW] OR "meal management"[TW] OR "meal assessment"[TW])) OR ("Deglutition Disorders/diet therapy"[Mesh])) OR ("education, nutrition"[TW] OR "food education"[TW] OR "nutritional education"[TW] OR "Nutrition education"[TW] OR "nutrition counseling"[TW] OR "nutritional counseling"[TW] OR "Dysphagia diet education"[TW])) OR ("Bioelectric impedance analysis"[TW] OR "Malnutrition Universal Screening Tool"[TW] OR "Nutrition Risk Screening 2002"[TW] OR "NRS 2002"[TW] OR "Mini Nutritional Assessment "[TW] OR "Mini Nutritional Assessment Short Form Version 1"[TW] OR "MNA-SF-V1"[TW] OR "Simplified Nutritional Appetite Questionnaire"[TW] OR "SNAQ"[TW] OR "Skeletal muscle index"[TW] OR "The Council on Nutrition Appetite Questionnaire"[TW] OR "CNAQ"[TW] OR "The original Short Nutritional Assessment Questionnaire"[TW] OR "SNAQ-NL"[TW] OR "Mini Nutritional Assessment-Full Form"[TW] OR "MNA-FF"[TW] OR "modified Malnutrition Universal Screening Tool "[TW] OR "Korean Version of Simplified Nutritional Appetite Questionnaire"[TW] OR "Geriatric Nutrition Risk Index"[TW] OR "GNRI"[TW] OR "triceps skinfold thickness"[TW] OR "psoas muscle index"[TW] OR "Global Leadership Initiative on Malnutrition"[TW] OR "GLIM"[TW] OR "mid-arm circumference"[TW] OR "mid-arm muscle circumference"[TW] OR "MAMC"[TW] OR "Serum albumin"[TW] OR "prealbumin"[TW] OR "serum transferrin"[TW] OR "total lymphocyte count"[TW] OR "hemoglobin"[TW] OR "Hematocrit"[TW] OR "Creatinine Height Index"[TW] OR "% Ideal body weight"[TW] OR "Subjective Global Assessment"[TW] OR "Patient-Generated Subjective Global Assessment"[TW] OR "PG-SGA"[TW] OR "Bioelectrical impedance analysis, Phase angle"[TW] OR "Handgrip Strength"[TW] OR "Body Mass Index"[TW] OR "BMI"[TW] OR "Weight Change"[TW] OR "fat mass"[TW] OR "fat free mass"[TW] OR "Food frequency questionnaire"[TW] OR "24-hour diet recall"[TW] OR "24 hr recall method"[TW] OR "NUTRIC Score"[TW])	
#13	"Dietary Supplements"[Mesh]	81,773
#14	"Dietary Supplements"[TW] OR "Dietary Supplement"[TW] OR "Supplements, Dietary"[TW] OR "Dietary Supplementations"[TW] OR "Supplementations, Dietary"[TW] OR "Food Supplementations"[TW] OR "Food Supplements"[TW] OR "Food Supplement"[TW] OR "Supplement, Food"[TW] OR "Supplements, Food"[TW] OR "Nutraceuticals"[TW] OR "Nutraceutical"[TW] OR "Nutriceuticals"[TW] OR "Nutriceutical"[TW] OR "Neutraceuticals"[TW] OR "Neutraceutical"[TW] OR "Herbal Supplements"[TW] OR "Herbal Supplement"[TW] OR "Supplement, Herbal"[TW] OR "Supplements, Herbal"[TW] OR "diet supplement"[TW] OR "supplementary diet"[TW] OR "nutritional supplementation"[TW] OR "nutrition intervention"[TW] OR "nutritional supplement"[TW] OR "nutritional supplements"[TW] OR "nutrition intervention"[TW] OR "nutrition support"[TW]	87,234
#15	"Oral nutrition supplement"[TW]	52
#16	"Parenteral Nutrition Solutions"[Mesh]	4,506
#17	"Parenteral Nutrition Solutions"[TW] OR "Intravenous Feeding Solutions"[TW] OR "Feeding Solutions, Intravenous"[TW] OR "Solutions, Intravenous Feeding"[TW] OR "nutritional, enteral/parenteral"[TW] OR "parenteral nutrition solution"[TW] OR "parenteral solutions"[TW] OR "total parenteral nutrition"[TW] OR "peripheral parenteral nutrition"[TW] OR "central parenteral nutrition"[TW]	1,426
#18	"Protein supplement"[TW] OR "high protein supplement"[TW]	786
#19	"Nutrients"[Mesh]	56,984
#20	"Nutrients"[TW] OR "Nutrient"[TW] OR "Macronutrients"[TW] OR "Macronutrient"[TW] OR "High nutrient"[TW] OR "High nutrients"[TW] OR "single nutrient"[TW] OR "single nutrients"[TW] OR "Calorie-enriched"[TW] OR "protein-enriched"[TW] OR "high nutrition status"[TW] OR "low nutrition status"[TW] OR "multinutrients"[TW] OR "multi nutrients"[TW] OR "macro nutrient"[TW] OR "macro nutrients"[TW]	163,764
#21	"High carbohydrate diet supplement"[TW]	0
#22	"High calorie diet supplement"[TW] OR "Recommended calorie intake"[TW] OR "Estimated average requirement"[TW] OR "Adequate intake"[TW] OR "Recommended nutrient intake"[TW]	2,002
#23	"frazier free water protocol"[TW] OR "free water protocol"[TW]	5

#24	“Micronutrients”[Mesh]	60,938
#25	“Micronutrient”[TW] OR “Micronutrients”[TW] OR “micro nutrient”[TW] OR “micro nutrients”[TW]	19,380
#26	“Trace Elements”[Mesh]	17,712
#27	“Trace Elements”[TW] OR “Trace Element”[TW] OR “Element, Trace”[TW] OR “Elements, Trace”[TW] OR “Biometals”[TW] OR “Biometal”[TW] OR “Trace Minerals”[TW] OR “Mineral, Trace”[TW] OR “Minerals, Trace”[TW] OR “Trace Mineral”[TW]	30,388
#28	“Vitamins”[Mesh]	39,131
#29	“Vitamins”[TW] OR “Vitamin”[TW] OR “davitamin”[TW] OR “vitaminology”[TW]	278,002
#30	((((((((((((((((“Dietary Supplements”[Mesh]) OR (“Dietary Supplements”[TW] OR “Dietary Supplement”[TW] OR “Supplements, Dietary”[TW] OR “Dietary Supplementations”[TW] OR “Supplementations, Dietary”[TW] OR “Food Supplementations”[TW] OR “Food Supplements”[TW] OR “Food Supplement”[TW] OR “Supplement, Food”[TW] OR “Supplements, Food”[TW] OR “Nutraceuticals”[TW] OR “Nutraceutical”[TW] OR “Nutriceticals”[TW] OR “Nutricetical”[TW] OR “Neutraceuticals”[TW] OR “Neutraceutical”[TW] OR “Herbal Supplements”[TW] OR “Herbal Supplement”[TW] OR “Supplement, Herbal”[TW] OR “Supplements, Herbal”[TW] OR “diet supplement”[TW] OR “supplementary diet”[TW] OR “nutritional supplementation”[TW] OR “nutrition intervention”[TW] OR “nutritional supplement”[TW] OR “nutritional supplements”[TW] OR “nutrition intervention”[TW] OR “nutrition support”[TW])) OR (“Oral nutrition supplement”[TW])) OR (“Parenteral Nutrition Solutions”[Mesh])) OR (“Parenteral Nutrition Solutions”[TW] OR “Intravenous Feeding Solutions”[TW] OR “Feeding Solutions, Intravenous”[TW] OR “Solutions, Intravenous Feeding”[TW] OR “nutritionals, enteral/parenteral”[TW] OR “parenteral nutrition solution”[TW] OR “parenteral solutions”[TW] OR “total parenteral nutrtrion”[TW] OR “peripheral parenteral nutrition”[TW] OR “central parenteral nutrition”[TW])) OR (“Protein supplement”[TW] OR “high protein supplement”[TW])) OR (“Nutrients”[Mesh])) OR (“Nutrients”[TW] OR “Nutrient”[TW] OR “Macronutrients”[TW] OR “Macronutrient”[TW] OR “High nutrient”[TW] OR “High nutrients”[TW] OR “single nutrient”[TW] OR “single nutrients”[TW] OR “Calorie-enriched”[TW] OR “protein-enriched”[TW] OR “high nutrition status”[TW] OR “low nutrition status”[TW] OR “multinutrients”[TW] OR “multi nutrients”[TW] OR “macro nutrient”[TW] OR “macro nutrients”[TW])) OR (“High carbohydrate diet supplement”[TW])) OR (“High calorie diet supplement”[TW] OR “Recommended caloe intake”[TW] OR “Estimated average requirement”[TW] OR “Adequate intake”[TW] OR “Recommended nutrient intake”[TW])) OR (“frazier free water protocol”[TW] OR “free water protocol”[TW])) OR (“Micronutrients”[Mesh])) OR (“Micronutrient”[TW] OR “Micronutrients”[TW] OR “micro nutrient”[TW] OR “micro nutrients”[TW])) OR (“Trace Elements”[Mesh])) OR (“Trace Elements”[TW] OR “Trace Element”[TW] OR “Element, Trace”[TW] OR “Elements, Trace”[TW] OR “Biometals”[TW] OR “Biometal”[TW] OR “Trace Minerals”[TW] OR “Mineral, Trace”[TW] OR “Minerals, Trace”[TW] OR “Trace Mineral”[TW])) OR (“Vitamins”[Mesh])) OR (“Vitamins”[TW] OR “Vitamin”[TW] OR “davitamin”[TW] OR “vitaminology”[TW])	546,014
#31	#12 OR #30	1,373,205
#32	#5 AND #31	6,651

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	“dysphagia”/exp	80,331
#2	“Deglutition Disorders”:ti,ab,kw,de OR “Deglutition Disorder”:ti,ab,kw,de OR “Disorders, Deglutition”:ti,ab,kw,de OR “Swallowing Disorders”:ti,ab,kw,de OR “Swallowing Disorder”:ti,ab,kw,de OR “Dysphagia”:ti,ab,kw,de OR “Oropharyngeal Dysphagia”:ti,ab,kw,de OR “Dysphagia, Oropharyngeal”:ti,ab,kw,de OR “aphagopraxia”:ti,ab,kw,de OR “deglutition difficulty”:ti,ab,kw,de OR “deglutition disorder”:ti,ab,kw,de OR “deglutition disorders”:ti,ab,kw,de OR “difficult deglutition”:ti,ab,kw,de OR “difficulty in swallowing”:ti,ab,kw,de OR “difficulty swallowing”:ti,ab,kw,de OR “dysphagias”:ti,ab,kw,de OR “swallowing difficult”:ti,ab,kw,de OR “swallowing difficultness”:ti,ab,kw,de OR “swallowing difficulty”:ti,ab,kw,de OR “swallowing disorder”:ti,ab,kw,de OR “swallow impairment”:ti,ab,kw,de OR “swallowing problem”:ti,ab,kw,de OR “Swallowing Disturbance”:ti,ab,kw,de OR “impaired swallowing”:ti,ab,kw,de	88,435
#3	“swallowing”/exp	23,802

#4	“Deglutition”:ti,ab,kw,de OR “Deglutitions”:ti,ab,kw,de OR “Swallowing”:ti,ab,kw,de OR “Swallowings”:ti,ab,kw,de OR “oropharyngeal swallow”:ti,ab,kw,de OR “reflex, deglutition”:ti,ab,kw,de OR “swallow (deglutition)”:ti,ab,kw,de OR “swallow (ingestion)”:ti,ab,kw,de OR “swallow function”:ti,ab,kw,de OR “swallow reflex”:ti,ab,kw,de OR “swallowing reflex”:ti,ab,kw,de	43,390
#5	#1 OR #2 OR #3 OR #4	113,638
#6	“Nutrition Interventions”:ti,ab,kw,de OR “Nutritional Interventions”:ti,ab,kw,de OR “Nutritional Support”:ti,ab,kw,de OR “Nutrition Management”:ti,ab,kw,de OR “Nutritional Management”:ti,ab,kw,de OR “Nutritional Therapy”:ti,ab,kw,de OR “Nutrition Therapies”:ti,ab,kw,de OR “Nutritional Therapies”:ti,ab,kw,de OR “Nutrition Screening”:ti,ab,kw,de OR “Nutritional Assessment”:ti,ab,kw,de OR “Nutrition Requirement”:ti,ab,kw,de OR “Nutrition Prescription”:ti,ab,kw,de OR “Nutritional prescription”:ti,ab,kw,de OR “Nutrition Intake”:ti,ab,kw,de OR “Nutritional intake”:ti,ab,kw,de OR “Nutrition Counselling”:ti,ab,kw,de OR “Artificial Nutrition”:ti,ab,kw,de OR “Artificial feeding”:ti,ab,kw,de OR “Artificial Supplementary Nutrition”:ti,ab,kw,de OR “Oral Nutritional Supplement”:ti,ab,kw,de OR “Enteral Nutrition”:ti,ab,kw,de OR “Parenteral Nutrition”:ti,ab,kw,de OR “Dietary Intervention”:ti,ab,kw,de OR “Dietary Intake”:ti,ab,kw,de OR “Food intake”:ti,ab,kw,de OR “Nutrient Intake”:ti,ab,kw,de OR “Malnutrition”:ti,ab,kw,de OR “Modified texture diet”:ti,ab,kw,de OR “Modified diet”:ti,ab,kw,de OR “Texture-Modified Diet”:ti,ab,kw,de OR “Dysphagia Diet”:ti,ab,kw,de OR “Nutrition Monitoring and Evaluation”:ti,ab,kw,de OR “Nutrition status”:ti,ab,kw,de OR “Nutritional status”:ti,ab,kw,de OR “Nutrition Strategy”:ti,ab,kw,de OR “Nutritional Strategy”:ti,ab,kw,de OR “Nutrition Strategies”:ti,ab,kw,de OR “Nutritional Strategies”:ti,ab,kw,de OR “Supplementation”:ti,ab,kw,de OR “Dietary prescription”:ti,ab,kw,de	673,624
#7	“nutritional assessment”/exp	32,467
#8	“Nutrition Assessment”:ti,ab,kw,de OR “Assessments, Nutrition”:ti,ab,kw,de OR “Nutrition Assessments”:ti,ab,kw,de OR “Nutritional Assessment”:ti,ab,kw,de OR “Assessment, Nutritional”:ti,ab,kw,de OR “Assessments, Nutritional”:ti,ab,kw,de OR “Nutritional Assessments”:ti,ab,kw,de OR “Assessment, Nutrition”:ti,ab,kw,de OR “Nutrition Indexes”:ti,ab,kw,de OR “Indexes, Nutrition”:ti,ab,kw,de OR “Nutrition Indices”:ti,ab,kw,de OR “Nutritional Index”:ti,ab,kw,de OR “Index, Nutritional”:ti,ab,kw,de OR “Indices, Nutritional”:ti,ab,kw,de OR “Nutritional Indices”:ti,ab,kw,de OR “Nutrition Index”:ti,ab,kw,de OR “Index, Nutrition”:ti,ab,kw,de OR “Indices, Nutrition”:ti,ab,kw,de OR “Prognostic Nutritional Index (PNI)":ti,ab,kw,de OR “Index, Prognostic Nutritional (PNI)":ti,ab,kw,de OR “Indices, Prognostic Nutritional (PNI)":ti,ab,kw,de OR “Nutritional Index, Prognostic (PNI)":ti,ab,kw,de OR “Nutritional Indices, Prognostic (PNI)":ti,ab,kw,de OR “Prognostic Nutritional Indices (PNI)":ti,ab,kw,de OR “Prognostic Nutritional Index”:ti,ab,kw,de OR “Index, Prognostic Nutritional”:ti,ab,kw,de OR “Indices, Prognostic Nutritional”:ti,ab,kw,de OR “Nutritional Index, Prognostic”:ti,ab,kw,de OR “Nutritional Indices, Prognostic”:ti,ab,kw,de OR “Prognostic Nutritional Indices”:ti,ab,kw,de OR “Mini Nutritional Assessment”:ti,ab,kw,de OR “Assessment, Mini Nutritional”:ti,ab,kw,de OR “Assessments, Mini Nutritional”:ti,ab,kw,de OR “Mini Nutritional Assessments”:ti,ab,kw,de OR “Nutritional Assessment, Mini”:ti,ab,kw,de OR “Nutritional Assessments, Mini”:ti,ab,kw,de OR “Mini Nutrition Assessment”:ti,ab,kw,de OR “Assessment, Mini Nutrition”:ti,ab,kw,de OR “Assessments, Mini Nutrition”:ti,ab,kw,de OR “Mini Nutrition Assessments”:ti,ab,kw,de OR “Nutrition Assessment, Mini”:ti,ab,kw,de OR “Nutrition Assessments, Mini”:ti,ab,kw,de OR “dietary assessment”:ti,ab,kw,de OR “dietary evaluation”:ti,ab,kw,de OR “nutritional evaluation”:ti,ab,kw,de OR “nutritional screening”:ti,ab,kw,de OR “nutritional assessment”:ti,ab,kw,de OR “Formal nutritionist assessment”:ti,ab,kw,de OR “Nutritional requirement”:ti,ab,kw,de OR “nutrition therapy”:ti,ab,kw,de OR “meal plan”:ti,ab,kw,de OR “meal management”:ti,ab,kw,de OR “meal assessment”:ti,ab,kw,de	61,469
#9	“nutrition education”/exp	5,818
#10	“education, nutrition”:ti,ab,kw,de OR “food education”:ti,ab,kw,de OR “nutritional education”:ti,ab,kw,de OR “Nutrition education”:ti,ab,kw,de OR “nutrition counseling”:ti,ab,kw,de OR “nutritional counseling”:ti,ab,kw,de OR “Dysphagia diet education”:ti,ab,kw,de	14,895

#11	“Bioelectric impedance analysis”:ti,ab,kw,de OR “Malnutrition Universal Screening Tool”:ti,ab,kw,de OR “Nutrition Risk Screening 2002”:ti,ab,kw,de OR “NRS 2002”:ti,ab,kw,de OR “Mini Nutritional Assessment “:ti,ab,kw,de OR “Mini Nutritional Assessment Short Form Version 1”:ti,ab,kw,de OR “MNA-SF-V1”:ti,ab,kw,de OR “Simplified Nutritional Appetite Questionnaire”:ti,ab,kw,de OR “SNAQ”:ti,ab,kw,de OR “Skeletal muscle index”:ti,ab,kw,de OR “The Council on Nutrition Appetite Questionnaire”:ti,ab,kw,de OR “CNAQ”:ti,ab,kw,de OR “The original Short Nutritional Assessment Questionnaire”:ti,ab,kw,de OR “SNAQ-NL”:ti,ab,kw,de OR “Mini Nutritional Assessment-Full Form”:ti,ab,kw,de OR “MNA-FF”:ti,ab,kw,de OR “modified Malnutrition Universal Screening Tool “:ti,ab,kw,de OR “Korean Version of Simplified Nutritional Appetite Questionnaire”:ti,ab,kw,de OR “Geriatric Nutrition Risk Index”:ti,ab,kw,de OR “GNRI”:ti,ab,kw,de OR “triceps skinfold thickness”:ti,ab,kw,de OR “psoas muscle index”:ti,ab,kw,de OR “Global Leadership Initiative on Malnutrition”:ti,ab,kw,de OR “GLIM”:ti,ab,kw,de OR “mid-arm circumference”:ti,ab,kw,de OR “mid-arm muscle circumference”:ti,ab,kw,de OR “MAMC”:ti,ab,kw,de OR “Serum albumin”:ti,ab,kw,de OR “prealbumin”:ti,ab,kw,de OR “serum transferrin”:ti,ab,kw,de OR “total lymphocyte count”:ti,ab,kw,de OR “hemoglobin”:ti,ab,kw,de OR “Hematocrit”:ti,ab,kw,de OR “Creatinine Height Index”:ti,ab,kw,de OR “% Ideal body weight”:ti,ab,kw,de OR “Subjective Global Assessment”:ti,ab,kw,de OR “Patient-Generated Subjective Global Assessment”:ti,ab,kw,de OR “PG-SGA”:ti,ab,kw,de OR “Bioelectrical impedance analysis, Phase angle”:ti,ab,kw,de OR “Handgrip Strength”:ti,ab,kw,de OR “Body Mass Index”:ti,ab,kw,de OR “BMI”:ti,ab,kw,de OR “Weight Change”:ti,ab,kw,de OR “fat mass”:ti,ab,kw,de OR “fat free mass”:ti,ab,kw,de OR “Food frequency questionnaire”:ti,ab,kw,de OR “24-hour diet recall”:ti,ab,kw,de OR “24 hr recall method”:ti,ab,kw,de OR “NUTRIC Score”:ti,ab,kw,de	1,099,328
#12	“dietary supplement”/exp	15,288
#13	“Dietary Supplements”:ti,ab,kw,de OR “Dietary Supplement”:ti,ab,kw,de OR “Supplements, Dietary”:ti,ab,kw,de OR “Dietary Supplementations”:ti,ab,kw,de OR “Supplementations, Dietary”:ti,ab,kw,de OR “Food Supplementations”:ti,ab,kw,de OR “Food Supplements”:ti,ab,kw,de OR “Food Supplement”:ti,ab,kw,de OR “Supplement, Food”:ti,ab,kw,de OR “Supplements, Food”:ti,ab,kw,de OR “Nutraceuticals”:ti,ab,kw,de OR “Nutraceutical”:ti,ab,kw,de OR “Nutriceuticals”:ti,ab,kw,de OR “Nutriceutical”:ti,ab,kw,de OR “Neutraceuticals”:ti,ab,kw,de OR “Neutraceutical”:ti,ab,kw,de OR “Herbal Supplements”:ti,ab,kw,de OR “Herbal Supplement”:ti,ab,kw,de OR “Supplement, Herbal”:ti,ab,kw,de OR “Supplements, Herbal”:ti,ab,kw,de OR “diet supplement”:ti,ab,kw,de OR “supplementary diet”:ti,ab,kw,de OR “nutritional supplementation”:ti,ab,kw,de OR “nutrition intervention”:ti,ab,kw,de OR “nutritional supplement”:ti,ab,kw,de OR “nutritional supplements”:ti,ab,kw,de OR “nutrition intervention”:ti,ab,kw,de OR “nutrition support”:ti,ab,kw,de	61,070
#14	“Oral nutrition supplement”:ti,ab,kw,de	88
#15	“parenteral solution”/exp	1,082
#16	“Parenteral Nutrition Solutions”:ti,ab,kw,de OR “Intravenous Feeding Solutions”:ti,ab,kw,de OR “Feeding Solutions, Intravenous”:ti,ab,kw,de OR “Solutions, Intravenous Feeding”:ti,ab,kw,de OR “nutritionals, enteral/parenteral”:ti,ab,kw,de OR “parenteral nutrition solution”:ti,ab,kw,de OR “parenteral solutions”:ti,ab,kw,de OR “total parenteral nutrtn”:ti,ab,kw,de OR “peripheral parenteral nutrition”:ti,ab,kw,de OR “central parenteral nutrition”:ti,ab,kw,de	1,408
#17	“Protein supplement”:ti,ab,kw,de OR “high protein supplement”:ti,ab,kw,de	990
#18	“Nutrients”:ti,ab,kw,de OR “Nutrient”:ti,ab,kw,de OR “Macronutrients”:ti,ab,kw,de OR “Macronutrient”:ti,ab,kw,de OR “High nutrient”:ti,ab,kw,de OR “High nutrients”:ti,ab,kw,de OR “single nutrient”:ti,ab,kw,de OR “single nutrients”:ti,ab,kw,de OR “Calorie-enriched”:ti,ab,kw,de OR “protein-enriched”:ti,ab,kw,de OR “high nutrition status”:ti,ab,kw,de OR “low nutrition status”:ti,ab,kw,de OR “multinutrients”:ti,ab,kw,de OR “multi nutrients”:ti,ab,kw,de OR “macro nutrient”:ti,ab,kw,de OR “macro nutrients”:ti,ab,kw,de	207,895
#19	“High carbohydrate diet supplement”:ti,ab,kw,de	0
#20	“High calorie diet supplement”:ti,ab,kw,de OR “Recommended caloe intake”:ti,ab,kw,de OR “Estimated average requirement”:ti,ab,kw,de OR “Adequate intake”:ti,ab,kw,de OR “Recommended nutrient intake”:ti,ab,kw,de	2,671
#21	“frazier free water protocol”:ti,ab,kw,de OR “free water protocol”:ti,ab,kw,de	10
#22	“trace element”/exp	43,294

#23	“Micronutrient”:ti,ab,kw,de OR “Micronutrients”:ti,ab,kw,de OR “micro nutrient”:ti,ab,kw,de OR “micro nutrients”:ti,ab,kw,de	23,333
#24	“Trace Elements”:ti,ab,kw,de OR “Trace Element”:ti,ab,kw,de OR “Element, Trace”:ti,ab,kw,de OR “Elements, Trace”:ti,ab,kw,de OR “Biometals”:ti,ab,kw,de OR “Biometal”:ti,ab,kw,de OR “Trace Minerals”:ti,ab,kw,de OR “Mineral, Trace”:ti,ab,kw,de OR “Minerals, Trace”:ti,ab,kw,de OR “Trace Mineral”:ti,ab,kw,de	51,144
#25	“vitamin”/exp	709,794
#26	“Vitamins”:ti,ab,kw,de OR “Vitamin”:ti,ab,kw,de OR “davitamin”:ti,ab,kw,de OR “vitaminology”:ti,ab,kw,de	384,013
#27	#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24 OR #25 OR #26	2,496,041
#28	#5 AND #27	13,468

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh “Deglutition Disorders”]	2,929
#2	“Deglutition Disorders”:ti,ab,kw OR “Deglutition Disorder”:ti,ab,kw OR “Disorders, Deglutition”:ti,ab,kw OR “Swallowing Disorders”:ti,ab,kw OR “Swallowing Disorder”:ti,ab,kw OR “Dysphagia”:ti,ab,kw OR “Oropharyngeal Dysphagia”:ti,ab,kw OR “Dysphagia, Oropharyngeal”:ti,ab,kw OR “aphagopraxia”:ti,ab,kw OR “deglutition difficulty”:ti,ab,kw OR “deglutition disorder”:ti,ab,kw OR “deglutition disorders”:ti,ab,kw OR “difficult deglutition”:ti,ab,kw OR “difficulty in swallowing”:ti,ab,kw OR “difficulty swallowing”:ti,ab,kw OR “dysphagias”:ti,ab,kw OR “swallowing difficult”:ti,ab,kw OR “swallowing difficultness”:ti,ab,kw OR “swallowing difficulty”:ti,ab,kw OR “swallowing disorder”:ti,ab,kw OR “swallow impairment”:ti,ab,kw OR “swallowing problem”:ti,ab,kw OR “Swallowing Disturbance”:ti,ab,kw OR “impaired swallowing”:ti,ab,kw	4,897
#3	[mh “Deglutition”]	412
#4	“Deglutition”:ti,ab,kw OR “Deglutitions”:ti,ab,kw OR “Swallowing”:ti,ab,kw OR “Swallowings”:ti,ab,kw OR “oropharyngeal swallow”:ti,ab,kw OR “reflex, deglutition”:ti,ab,kw OR “swallow (deglutition)":ti,ab,kw OR “swallow (ingestion)":ti,ab,kw OR “swallow function”:ti,ab,kw OR “swallow reflex”:ti,ab,kw OR “swallowing reflex”:ti,ab,kw	4,094
#5	{OR #1-#4}	8,656
#6	“Nutrition Interventions”:ti,ab,kw OR “Nutritional Interventions”:ti,ab,kw OR “Nutritional Support”:ti,ab,kw OR “Nutrition Management”:ti,ab,kw OR “Nutritional Management”:ti,ab,kw OR “Nutritional Therapy”:ti,ab,kw OR “Nutrition Therapies”:ti,ab,kw OR “Nutritional Therapies”:ti,ab,kw OR “Nutrition Screening”:ti,ab,kw OR “Nutritional Assessment”:ti,ab,kw OR “Nutrition Requirement”:ti,ab,kw OR “Nutrition Prescription”:ti,ab,kw OR “Nutritional prescription”:ti,ab,kw OR “Nutrition Intake”:ti,ab,kw OR “Nutritional intake”:ti,ab,kw OR “Nutrition Counselling”:ti,ab,kw OR “Artificial Nutrition”:ti,ab,kw OR “Artificial feeding”:ti,ab,kw OR “Artificial Supplementary Nutrition”:ti,ab,kw OR “Oral Nutritional Supplement”:ti,ab,kw OR “Enteral Nutrition”:ti,ab,kw OR “Parenteral Nutrition”:ti,ab,kw OR “Dietary Intervention”:ti,ab,kw OR “Dietary Intake”:ti,ab,kw OR “Food intake”:ti,ab,kw OR “Nutrient Intake”:ti,ab,kw OR “Malnutrition”:ti,ab,kw OR “Modified texture diet”:ti,ab,kw OR “Modified diet”:ti,ab,kw OR “Texture-Modified Diet”:ti,ab,kw OR “Dysphagia Diet”:ti,ab,kw OR “Nutrition Monitoring and Evaluation”:ti,ab,kw OR “Nutrition status”:ti,ab,kw OR “Nutritional status”:ti,ab,kw OR “Nutrition Strategy”:ti,ab,kw OR “Nutritional Strategy”:ti,ab,kw OR “Nutrition Strategies”:ti,ab,kw OR “Nutritional Strategies”:ti,ab,kw OR “Supplementation”:ti,ab,kw OR “Dietary prescription”:ti,ab,kw	72,265
#7	[mh “Nutrition Assessment”]	694

#8	“Nutrition Assessment”:ti,ab,kw OR “Assessments, Nutrition”:ti,ab,kw OR “Nutrition Assessments”:ti,ab,kw OR “Nutritional Assessment”:ti,ab,kw OR “Assessment, Nutritional”:ti,ab,kw OR “Assessments, Nutritional”:ti,ab,kw OR “Nutritional Assessments”:ti,ab,kw OR “Assessment, Nutrition”:ti,ab,kw OR “Nutrition Indexes”:ti,ab,kw OR “Indexes, Nutrition”:ti,ab,kw OR “Nutrition Indices”:ti,ab,kw OR “Nutritional Index”:ti,ab,kw OR “Index, Nutritional”:ti,ab,kw OR “Indices, Nutritional”:ti,ab,kw OR “Nutritional Indices”:ti,ab,kw OR “Nutrition Index”:ti,ab,kw OR “Index, Nutrition”:ti,ab,kw OR “Indices, Nutrition”:ti,ab,kw OR “Prognostic Nutritional Index (PNI)”:ti,ab,kw OR “Index, Prognostic Nutritional (PNI)”:ti,ab,kw OR “Indices, Prognostic Nutritional (PNI)”:ti,ab,kw OR “Nutritional Indices, Prognostic (PNI)”:ti,ab,kw OR “Prognostic Nutritional Indices (PNI)”:ti,ab,kw OR “Prognostic Nutritional Index”:ti,ab,kw OR “Index, Prognostic Nutritional”:ti,ab,kw OR “Indices, Prognostic Nutritional”:ti,ab,kw OR “Nutritional Index, Prognostic”:ti,ab,kw OR “Nutritional Indices, Prognostic”:ti,ab,kw OR “Prognostic Nutritional Indices”:ti,ab,kw OR “Mini Nutritional Assessment”:ti,ab,kw OR “Assessment, Mini Nutritional”:ti,ab,kw OR “Assessments, Mini Nutritional”:ti,ab,kw OR “Mini Nutritional Assessments”:ti,ab,kw OR “Nutritional Assessment, Mini”:ti,ab,kw OR “Nutritional Assessments, Mini”:ti,ab,kw OR “Mini Nutrition Assessment”:ti,ab,kw OR “Assessment, Mini Nutrition”:ti,ab,kw OR “Assessments, Mini Nutrition”:ti,ab,kw OR “Mini Nutrition Assessments”:ti,ab,kw OR “Nutrition Assessment, Mini”:ti,ab,kw OR “Nutrition Assessments, Mini”:ti,ab,kw OR “dietary assessment”:ti,ab,kw OR “dietary evaluation”:ti,ab,kw OR “nutritional evaluation”:ti,ab,kw OR “nutritional screening”:ti,ab,kw OR “nutritional assessment”:ti,ab,kw OR “Formal nutritionist assessment”:ti,ab,kw OR “Nutritional requirement”:ti,ab,kw OR “nutrition therapy”:ti,ab,kw OR “meal plan”:ti,ab,kw OR “meal management”:ti,ab,kw OR “meal assessment”:ti,ab,kw	3,789
#9	[mh “Deglutition Disorders”/DT]	876
#10	“education, nutrition”:ti,ab,kw OR “food education”:ti,ab,kw OR “nutritional education”:ti,ab,kw OR “Nutrition education”:ti,ab,kw OR “nutrition counseling”:ti,ab,kw OR “nutritional counseling”:ti,ab,kw OR “Dysphagia diet education”:ti,ab,kw	3,033
#11	“Bioelectric impedance analysis”:ti,ab,kw OR “Malnutrition Universal Screening Tool”:ti,ab,kw OR “Nutrition Risk Screening 2002”:ti,ab,kw OR “NRS 2002”:ti,ab,kw OR “Mini Nutritional Assessment”:ti,ab,kw OR “Mini Nutritional Assessment Short Form Version 1”:ti,ab,kw OR “MNA-SF-V1”:ti,ab,kw OR “Simplified Nutritional Appetite Questionnaire”:ti,ab,kw OR “SNAQ”:ti,ab,kw OR “Skeletal muscle index”:ti,ab,kw OR “The Council on Nutrition Appetite Questionnaire”:ti,ab,kw OR “CNAQ”:ti,ab,kw OR “The original Short Nutritional Assessment Questionnaire”:ti,ab,kw OR “SNAQ-NL”:ti,ab,kw OR “Mini Nutritional Assessment-Full Form”:ti,ab,kw OR “MNA-FF”:ti,ab,kw OR “modified Malnutrition Universal Screening Tool”:ti,ab,kw OR “Korean Version of Simplified Nutritional Appetite Questionnaire”:ti,ab,kw OR “Geriatric Nutrition Risk Index”:ti,ab,kw OR “GNRI”:ti,ab,kw OR “triceps skinfold thickness”:ti,ab,kw OR “psoas muscle index”:ti,ab,kw OR “Global Leadership Initiative on Malnutrition”:ti,ab,kw OR “GLIM”:ti,ab,kw OR “mid-arm circumference”:ti,ab,kw OR “mid-arm muscle circumference”:ti,ab,kw OR “MAMC”:ti,ab,kw OR “Serum albumin”:ti,ab,kw OR “prealbumin”:ti,ab,kw OR “serum transferrin”:ti,ab,kw OR “total lymphocyte count”:ti,ab,kw OR “hemoglobin”:ti,ab,kw OR “Hematocrit”:ti,ab,kw OR “Creatinine Height Index”:ti,ab,kw OR “% Ideal body weight”:ti,ab,kw OR “Subjective Global Assessment”:ti,ab,kw OR “Patient-Generated Subjective Global Assessment”:ti,ab,kw OR “PG-SGA”:ti,ab,kw OR “Bioelectrical impedance analysis, Phase angle”:ti,ab,kw OR “Handgrip Strength”:ti,ab,kw OR “Body Mass Index”:ti,ab,kw OR “BMI”:ti,ab,kw OR “Weight Change”:ti,ab,kw OR “fat mass”:ti,ab,kw OR “fat free mass”:ti,ab,kw OR “Food frequency questionnaire”:ti,ab,kw OR “24-hour diet recall”:ti,ab,kw OR “24 hr recall method”:ti,ab,kw OR “NUTRIC Score”:ti,ab,kw	110,939
#12	{OR #6-#11}	168,249
#13	[mh “Dietary Supplements”]	12,809
#14	“Dietary Supplements”:ti,ab,kw OR “Dietary Supplement”:ti,ab,kw OR “Supplements, Dietary”:ti,ab,kw OR “Dietary Supplementations”:ti,ab,kw OR “Supplementations, Dietary”:ti,ab,kw OR “Food Supplementations”:ti,ab,kw OR “Food Supplements”:ti,ab,kw OR “Food Supplement”:ti,ab,kw OR “Supplement, Food”:ti,ab,kw OR “Supplements, Food”:ti,ab,kw OR “Nutraceuticals”:ti,ab,kw OR “Nutraceutical”:ti,ab,kw OR “Nutriceuticals”:ti,ab,kw OR “Nutriceutical”:ti,ab,kw OR “Neutraceuticals”:ti,ab,kw OR “Neutraceutical”:ti,ab,kw OR “Herbal Supplements”:ti,ab,kw OR “Herbal Supplement”:ti,ab,kw OR “Supplement, Herbal”:ti,ab,kw OR “Supplements, Herbal”:ti,ab,kw OR “diet supplement”:ti,ab,kw OR “supplementary diet”:ti,ab,kw OR “nutritional supplementation”:ti,ab,kw OR “nutrition intervention”:ti,ab,kw OR “nutritional supplement”:ti,ab,kw OR “nutritional supplements”:ti,ab,kw OR “nutrition intervention”:ti,ab,kw OR “nutrition support”:ti,ab,kw	17,943

#15	“Oral nutrition supplement”:ti,ab,kw	51
#16	[mh “Parenteral Nutrition Solutions”]	520
#17	“Parenteral Nutrition Solutions”:ti,ab,kw OR “Intravenous Feeding Solutions”:ti,ab,kw OR “Feeding Solutions, Intravenous”:ti,ab,kw OR “Solutions, Intravenous Feeding”:ti,ab,kw OR “nutritional, enteral/parenteral”:ti,ab,kw OR “parenteral nutrition solution”:ti,ab,kw OR “parenteral solutions”:ti,ab,kw OR “total parenteral nutrition”:ti,ab,kw OR “peripheral parenteral nutrition”:ti,ab,kw OR “central parenteral nutrition”:ti,ab,kw	187
#18	“Protein supplement”:ti,ab,kw OR “high protein supplement”:ti,ab,kw	361
#19	[mh “Nutrients”]	5,278
#20	“Nutrients”:ti,ab,kw OR “Nutrient”:ti,ab,kw OR “Macronutrients”:ti,ab,kw OR “Macronutrient”:ti,ab,kw OR “High nutrient”:ti,ab,kw OR “High nutrients”:ti,ab,kw OR “single nutrient”:ti,ab,kw OR “single nutrients”:ti,ab,kw OR “Calorie-enriched”:ti,ab,kw OR “protein-enriched”:ti,ab,kw OR “high nutrition status”:ti,ab,kw OR “low nutrition status”:ti,ab,kw OR “multinutrients”:ti,ab,kw OR “multi nutrients”:ti,ab,kw OR “macro nutrient”:ti,ab,kw OR “macro nutrients”:ti,ab,kw	9,673
#21	“High carbohydrate diet supplement”:ti,ab,kw	0
#22	“High calorie diet supplement”:ti,ab,kw OR “Recommended caloric intake”:ti,ab,kw OR “Estimated average requirement”:ti,ab,kw OR “Adequate intake”:ti,ab,kw OR “Recommended nutrient intake”:ti,ab,kw	203
#23	“frazier free water protocol”:ti,ab,kw OR “free water protocol”:ti,ab,kw	3
#24	[mh “Micronutrients”]	5,842
#25	“Micronutrient”:ti,ab,kw OR “Micronutrients”:ti,ab,kw OR “micro nutrient”:ti,ab,kw OR “micro nutrients”:ti,ab,kw	3,146
#26	[mh “Trace Elements”]	512
#27	“Trace Elements”:ti,ab,kw OR “Trace Element”:ti,ab,kw OR “Element, Trace”:ti,ab,kw OR “Elements, Trace”:ti,ab,kw OR “Biometals”:ti,ab,kw OR “Biometal”:ti,ab,kw OR “Trace Minerals”:ti,ab,kw OR “Mineral, Trace”:ti,ab,kw OR “Minerals, Trace”:ti,ab,kw OR “Trace Mineral”:ti,ab,kw	1,426
#28	[mh “Vitamins”]	4,789
#29	“Vitamins”:ti,ab,kw OR “Vitamin”:ti,ab,kw OR “davitamin”:ti,ab,kw OR “vitaminology”:ti,ab,kw	32,060
#30	{OR #13-#29}	56,840
#31	#12 OR #30	191,991
#32	#5 AND #31	1,731

4) Kibase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Nutritional] OR [ALL=Nutrition]) OR [ALL=Artificial Nutrition]) OR [ALL=Artificial feeding]))	119
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Artificial Supplementary Nutrition] OR [ALL=Dietary]) OR [ALL=Food intake]) OR [ALL=Nutrient]))	67
#3	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Nutrients] OR [ALL=Malnutrition]) OR [ALL=Modified texture diet]) OR [ALL=Modified diet]))	73
#4	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Texture-Modified Diet] OR [ALL=Dysphagia Diet]) OR [ALL=Supplementation]))	29
#5	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ([ALL=영양] OR [ALL=식이]))	88
#6	((([([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Nutritional] OR [ALL=Nutrition]) OR [ALL=Artificial Nutrition]) OR [ALL=Artificial feeding]))	51

#7	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Artificial Supplementary Nutrition] OR [ALL=Dietary]) OR [ALL=Food intake]) OR [ALL=Nutrient])	25
#8	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Nutrients] OR [ALL=Malnutrition]) OR [ALL=Modified texture diet]) OR [ALL=Modified diet])	32
#9	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Texture-Modified Diet] OR [ALL=Dysphagia Diet]) OR [ALL=Supplementation])	13
#10	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ([ALL=영양] OR [ALL=식이])	82
#11	(((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Protein] OR [ALL=Estimated average requirement]) OR [ALL=Adequate intake]) OR [ALL=free water protocol]))	48
#12	(((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=multi nutrients] OR [ALL=macro nutrient]) OR [ALL=Micronutrients]) OR [ALL=Trace Elements]) OR [ALL=Vitamins]))	1
#13	(((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=영양보조] OR [ALL=식이보조]) OR [ALL=식이보충제]) OR [ALL=영양보충제]))	0
#14	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Protein] OR [ALL=Estimated average requirement]) OR [ALL=Adequate intake]) OR [ALL=free water protocol]))	11
#15	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=multi nutrients] OR [ALL=macro nutrient]) OR [ALL=Micronutrients]) OR [ALL=Trace Elements]) OR [ALL=Vitamins]))	0
#16	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ([ALL=영양보조] OR [ALL=식이보조])	0
#17	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ([ALL=식이보충제] OR [ALL=영양보충제])	0
#18	#1부터 #17까지의 Search Results 단순합계	639

KQ 17. Are the incidence and mortality rates of aspiration pneumonia higher in patients with oropharyngeal dysphagia compared with those without oropharyngeal dysphagia?

1) PubMed

No.	Search Strategies	Search Results
#1	"Deglutition Disorders"[Mesh]	53,779
#2	"Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW]	40,473
#3	"Deglutition"[Mesh]	10,034
#4	"Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]	40,835
#5	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR ((("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW]))))	86,042
#6	"Pneumonia, Aspiration"[Mesh]	6,082
#7	"Pneumonia, Aspiration"[TW] OR "Aspiration Pneumonias"[TW] OR "Pneumonias, Aspiration"[TW] OR "Aspiration Pneumonia"[TW] OR "aspiration pneumonia, oil"[TW] OR "aspiration pneumonitis"[TW] OR "deglutition pneumonia"[TW]	8,842
#8	("Pneumonia, Aspiration"[Mesh]) OR ("Pneumonia, Aspiration"[TW] OR "Aspiration Pneumonias"[TW] OR "Pneumonias, Aspiration"[TW] OR "Aspiration Pneumonia"[TW] OR "aspiration pneumonia, oil"[TW] OR "aspiration pneumonitis"[TW] OR "deglutition pneumonia"[TW])	9,349
#9	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR ((("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW])))) AND ((("Pneumonia, Aspiration"[Mesh]) OR ("Pneumonia, Aspiration"[TW] OR "Aspiration Pneumonias"[TW] OR "Pneumonias, Aspiration"[TW] OR "Aspiration Pneumonia"[TW] OR "aspiration pneumonia, oil"[TW] OR "aspiration pneumonitis"[TW] OR "deglutition pneumonia"[TW]))))	2,424

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	79,814
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	87,906
#3	"swallowing"/exp	23,714
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,195
#5	#1 OR #2 OR #3 OR #4	113,000
#6	"aspiration pneumonia"/exp	15,959
#7	"Pneumonia, Aspiration":ti,ab,kw,de OR "Aspiration Pneumonias":ti,ab,kw,de OR "Pneumonias, Aspiration":ti,ab,kw,de OR "Aspiration Pneumonia":ti,ab,kw,de OR "aspiration pneumonia, oil":ti,ab,kw,de OR "aspiration pneumonitis":ti,ab,kw,de OR "deglutition pneumonia":ti,ab,kw,de	18,213
#8	#6 OR #7	18,248
#9	#5 AND #8	4,179

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh "Deglutition Disorders"]	2,920
#2	"Deglutition Disorders":ti,ab,kw OR "Deglutition Disorder":ti,ab,kw OR "Disorders, Deglutition":ti,ab,kw OR "Swallowing Disorders":ti,ab,kw OR "Swallowing Disorder":ti,ab,kw OR "Dysphagia":ti,ab,kw OR "Oropharyngeal Dysphagia":ti,ab,kw OR "Dysphagia, Oropharyngeal":ti,ab,kw OR "aphagopraxia":ti,ab,kw OR "deglutition difficulty":ti,ab,kw OR "deglutition disorder":ti,ab,kw OR "deglutition disorders":ti,ab,kw OR "difficult deglutition":ti,ab,kw OR "difficulty in swallowing":ti,ab,kw OR "difficulty swallowing":ti,ab,kw OR "dysphagias":ti,ab,kw OR "swallowing difficult":ti,ab,kw OR "swallowing difficultness":ti,ab,kw OR "swallowing difficulty":ti,ab,kw OR "swallowing disorder":ti,ab,kw OR "swallow impairment":ti,ab,kw OR "swallowing problem":ti,ab,kw OR "Swallowing Disturbance":ti,ab,kw OR "impaired swallowing":ti,ab,kw	4,847
#3	[mh "Deglutition"]	411
#4	"Deglutition":ti,ab,kw OR "Deglutitions":ti,ab,kw OR "Swallowing":ti,ab,kw OR "Swallowings":ti,ab,kw OR "oropharyngeal swallow":ti,ab,kw OR "reflex, deglutition":ti,ab,kw OR "swallow (deglutition)":ti,ab,kw OR "swallow (ingestion)":ti,ab,kw OR "swallow function":ti,ab,kw OR "swallow reflex":ti,ab,kw OR "swallowing reflex":ti,ab,kw	4,049
#5	{OR #1-#4}	8,578
#6	[mh "Pneumonia, Aspiration"]	335
#7	"Pneumonia, Aspiration":ti,ab,kw OR "Aspiration Pneumonias":ti,ab,kw OR "Pneumonias, Aspiration":ti,ab,kw OR "Aspiration Pneumonia":ti,ab,kw OR "aspiration pneumonia, oil":ti,ab,kw OR "aspiration pneumonitis":ti,ab,kw OR "deglutition pneumonia":ti,ab,kw	947
#8	#6 OR #7	947
#9	#5 AND #8	253

4) Kibase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((ALL=aspiration pneumonia] OR [ALL=Aspiration Pneumonias]) OR [ALL=aspiration pneumonitis]) OR [ALL=deglutition pneumonia]))	97
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((ALL=흡인성폐렴] OR [ALL=흡인폐렴]) OR [ALL=연하성폐렴]))	0
#3	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=aspiration pneumonia] OR [ALL=Aspiration Pneumonias]) OR [ALL=aspiration pneumonitis]) OR [ALL=deglutition pneumonia]))	50
#4	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=흡인성폐렴] OR [ALL=흡인폐렴]) OR [ALL=연하성폐렴]))	1
#5	#1부터 #4까지의 Search Results 단순합계	148

KQ 18. Is the oral care program effective for improving oral health and food intake?**1) PubMed**

No.	Search Strategies	Search Results
#1	“Deglutition Disorders”[Mesh]	53,779
#2	“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW]	40,473
#3	“Deglutition”[Mesh]	10,034
#4	“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]	40,835
#5	((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]))	86,042
#6	“Oral Hygiene”[Mesh]	19,786
#7	“Oral Hygiene”[TW] OR “Hygiene, Oral”[TW] OR “Dental Hygiene”[TW] OR “Hygiene, Dental”[TW] OR “mouth hygiene”[TW] OR “hygiene, mouth”[TW] OR “hygiene, tooth”[TW] OR “mouth care”[TW] OR “mouth rinsing”[TW] OR “mouth washing”[TW] OR “mouthwashing”[TW] OR “oral care”[TW] OR “tooth hygiene”[TW] OR “oral health”[TW] OR “dental care”[TW] OR “oral health program”[TW]	83,629
#8	(“Oral Hygiene”[Mesh]) OR (“Oral Hygiene”[TW] OR “Hygiene, Oral”[TW] OR “Dental Hygiene”[TW] OR “Hygiene, Dental”[TW] OR “mouth hygiene”[TW] OR “hygiene, mouth”[TW] OR “hygiene, tooth”[TW] OR “mouth care”[TW] OR “mouth rinsing”[TW] OR “mouth washing”[TW] OR “mouthwashing”[TW] OR “oral care”[TW] OR “tooth hygiene”[TW] OR “oral health”[TW] OR “dental care”[TW] OR “oral health program”[TW])	88,190
#9	((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW])) AND ((“Oral Hygiene”[Mesh]) OR (“Oral Hygiene”[TW] OR “Hygiene, Oral”[TW] OR “Dental Hygiene”[TW] OR “Hygiene, Dental”[TW] OR “mouth hygiene”[TW] OR “hygiene, mouth”[TW] OR “hygiene, tooth”[TW] OR “mouth care”[TW] OR “mouth rinsing”[TW] OR “mouth washing”[TW] OR “mouthwashing”[TW] OR “oral care”[TW] OR “tooth hygiene”[TW] OR “oral health”[TW] OR “dental care”[TW] OR “oral health program”[TW]))	943

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	79,814
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	87,906
#3	"swallowing"/exp	23,714
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,195
#5	#1 OR #2 OR #3 OR #4	113,000
#6	"mouth hygiene"/exp	27,593
#7	"Oral Hygiene":ti,ab,kw,de OR "Hygiene, Oral":ti,ab,kw,de OR "Dental Hygiene":ti,ab,kw,de OR "Hygiene, Dental":ti,ab,kw,de OR "mouth hygiene":ti,ab,kw,de OR "hygiene, mouth":ti,ab,kw,de OR "hygiene, tooth":ti,ab,kw,de OR "mouth care":ti,ab,kw,de OR "mouth rinsing":ti,ab,kw,de OR "mouth washing":ti,ab,kw,de OR "mouthwashing":ti,ab,kw,de OR "oral care":ti,ab,kw,de OR "tooth hygiene":ti,ab,kw,de OR "oral health":ti,ab,kw,de OR "dental care":ti,ab,kw,de OR "oral health program":ti,ab,kw,de	68,480
#8	#6 OR #7	68,480
#9	#5 AND #8	1,363

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh "Deglutition Disorders"]	2,920
#2	"Deglutition Disorders":ti,ab,kw OR "Deglutition Disorder":ti,ab,kw OR "Disorders, Deglutition":ti,ab,kw OR "Swallowing Disorders":ti,ab,kw OR "Swallowing Disorder":ti,ab,kw OR "Dysphagia":ti,ab,kw OR "Oropharyngeal Dysphagia":ti,ab,kw OR "Dysphagia, Oropharyngeal":ti,ab,kw OR "aphagopraxia":ti,ab,kw OR "deglutition difficulty":ti,ab,kw OR "deglutition disorder":ti,ab,kw OR "deglutition disorders":ti,ab,kw OR "difficult deglutition":ti,ab,kw OR "difficulty in swallowing":ti,ab,kw OR "difficulty swallowing":ti,ab,kw OR "dysphagias":ti,ab,kw OR "swallowing difficult":ti,ab,kw OR "swallowing difficultness":ti,ab,kw OR "swallowing difficulty":ti,ab,kw OR "swallowing disorder":ti,ab,kw OR "swallow impairment":ti,ab,kw OR "swallowing problem":ti,ab,kw OR "Swallowing Disturbance":ti,ab,kw OR "impaired swallowing":ti,ab,kw	4,847
#3	[mh "Deglutition"]	411
#4	"Deglutition":ti,ab,kw OR "Deglutitions":ti,ab,kw OR "Swallowing":ti,ab,kw OR "Swallowings":ti,ab,kw OR "oropharyngeal swallow":ti,ab,kw OR "reflex, deglutition":ti,ab,kw OR "swallow (deglutition)":ti,ab,kw OR "swallow (ingestion)":ti,ab,kw OR "swallow function":ti,ab,kw OR "swallow reflex":ti,ab,kw OR "swallowing reflex":ti,ab,kw	4,049
#5	{OR #1-#4}	8,578
#6	[mh "Oral Hygiene"]	2,216

#7	“Oral Hygiene”:ti,ab,kw OR “Hygiene, Oral”:ti,ab,kw OR “Dental Hygiene”:ti,ab,kw OR “Hygiene, Dental”:ti,ab,kw OR “mouth hygiene”:ti,ab,kw OR “hygiene, mouth”:ti,ab,kw OR “hygiene, tooth”:ti,ab,kw OR “mouth care”:ti,ab,kw OR “mouth rinsing”:ti,ab,kw OR “mouth washing”:ti,ab,kw OR “mouthwashing”:ti,ab,kw OR “oral care”:ti,ab,kw OR “tooth hygiene”:ti,ab,kw OR “oral health”:ti,ab,kw OR “dental care”:ti,ab,kw OR “oral health program”:ti,ab,kw	8,445
#8	#6 OR #7	9,218
#9	#5 AND #8	172

4) KMbase

No.	Search Strategies	Search Results
#1	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=Oral Hygiene] OR [ALL=Oral health]) OR [ALL=Dental hygiene]) OR [ALL=Dental health]))	36
#2	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=tooth hygiene] OR [ALL=Oral care]) OR [ALL=dental care]))	13
#3	(((ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND ((([ALL=구강위생] OR [ALL=구강건강] OR [ALL=구강관리]) OR [ALL=치과위생] OR [ALL=구강위생관리]))	10
#4	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=Oral Hygiene] OR [ALL=Oral health]) OR [ALL=Dental hygiene]) OR [ALL=Dental health]))	11
#5	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (([ALL=tooth hygiene] OR [ALL=Oral care]) OR [ALL=dental care]))	3
#6	((((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND ((([ALL=구강위생] OR [ALL=구강건강] OR [ALL=구강관리]) OR [ALL=치과위생] OR [ALL=구강위생관리]))	4
#7	#1부터 #6까지의 Search Results 단순합계	77

KQ 19. Is the multidisciplinary team approach (doctor, nurse, therapist, nurse, etc.) effective for reducing complications (such as mortality, pneumonia, and other respiratory infections) in patients with oropharyngeal dysphagia?

1) PubMed

No.	Search Strategies	Search Results
#1	“Deglutition Disorders”[Mesh]	53,779
#2	“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW]	40,473
#3	“Deglutition”[Mesh]	10,034
#4	“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]	40,835
#5	((“Deglutition Disorders”[Mesh]) OR (“Deglutition Disorders”[TW] OR “Deglutition Disorder”[TW] OR “Disorders, Deglutition”[TW] OR “Swallowing Disorders”[TW] OR “Swallowing Disorder”[TW] OR “Dysphagia”[TW] OR “Oropharyngeal Dysphagia”[TW] OR “Dysphagia, Oropharyngeal”[TW] OR “aphagopraxia”[TW] OR “deglutition difficulty”[TW] OR “deglutition disorder”[TW] OR “deglutition disorders”[TW] OR “difficult deglutition”[TW] OR “difficulty in swallowing”[TW] OR “difficulty swallowing”[TW] OR “dysphagias”[TW] OR “swallowing difficult”[TW] OR “swallowing difficultness”[TW] OR “swallowing difficulty”[TW] OR “swallowing disorder”[TW] OR “swallow impairment”[TW] OR “swallowing problem”[TW] OR “Swallowing Disturbance”[TW] OR “impaired swallowing”[TW])) OR ((“Deglutition”[Mesh]) OR (“Deglutition”[TW] OR “Deglutitions”[TW] OR “Swallowing”[TW] OR “Swallowings”[TW] OR “oropharyngeal swallow”[TW] OR “reflex, deglutition”[TW] OR “swallow (deglutition)”[TW] OR “swallow (ingestion)”[TW] OR “swallow function”[TW] OR “swallow reflex”[TW] OR “swallowing reflex”[TW]))	86,042
#6	“Patient Care Team”[Mesh]	69,816
#7	“Patient Care Team”[TW] OR “Care Team, Patient”[TW] OR “Care Teams, Patient”[TW] OR “Patient Care Teams”[TW] OR “Team, Patient Care”[TW] OR “Teams, Patient Care”[TW] OR “Medical Care Team”[TW] OR “Care Team, Medical”[TW] OR “Care Teams, Medical”[TW] OR “Medical Care Teams”[TW] OR “Team, Medical Care”[TW] OR “Teams, Medical Care”[TW] OR “Interdisciplinary Health Team”[TW] OR “Health Team, Interdisciplinary”[TW] OR “Health Teams, Interdisciplinary”[TW] OR “Interdisciplinary Health Teams”[TW] OR “Team, Interdisciplinary Health”[TW] OR “Teams, Interdisciplinary Health”[TW] OR “Healthcare Team”[TW] OR “Healthcare Teams”[TW] OR “Team, Healthcare”[TW] OR “Teams, Healthcare”[TW] OR “Health Care Team”[TW] OR “Care Team, Health”[TW] OR “Care Teams, Health”[TW] OR “Health Care Teams”[TW] OR “Team, Health Care”[TW] OR “Teams, Health Care”[TW] OR “multidisciplinary team”[TW] OR “multi-disciplinary team”[TW] OR “Multidisciplinary”[TW] OR “integral”[TW] OR “comprehensive”[TW] OR “teamwork”[TW] OR “interprofessional”[TW]	618,632
#8	(“Patient Care Team”[Mesh]) OR (“Patient Care Team”[TW] OR “Care Team, Patient”[TW] OR “Care Teams, Patient”[TW] OR “Patient Care Teams”[TW] OR “Team, Patient Care”[TW] OR “Teams, Patient Care”[TW] OR “Medical Care Team”[TW] OR “Care Team, Medical”[TW] OR “Care Teams, Medical”[TW] OR “Medical Care Teams”[TW] OR “Team, Medical Care”[TW] OR “Teams, Medical Care”[TW] OR “Interdisciplinary Health Team”[TW] OR “Health Team, Interdisciplinary”[TW] OR “Health Teams, Interdisciplinary”[TW] OR “Interdisciplinary Health Teams”[TW] OR “Team, Interdisciplinary Health”[TW] OR “Teams, Interdisciplinary Health”[TW] OR “Healthcare Team”[TW] OR “Healthcare Teams”[TW] OR “Team, Healthcare”[TW] OR “Teams, Healthcare”[TW] OR “Health Care Team”[TW] OR “Care Team, Health”[TW] OR “Care Teams, Health”[TW] OR “Health Care Teams”[TW] OR “Team, Health Care”[TW] OR “Teams, Health Care”[TW] OR “multidisciplinary team”[TW] OR “multi-disciplinary team”[TW] OR “Multidisciplinary”[TW] OR “integral”[TW] OR “comprehensive”[TW] OR “teamwork”[TW] OR “interprofessional”[TW])	621,274

#9	((("Deglutition Disorders"[Mesh]) OR ("Deglutition Disorders"[TW] OR "Deglutition Disorder"[TW] OR "Disorders, Deglutition"[TW] OR "Swallowing Disorders"[TW] OR "Swallowing Disorder"[TW] OR "Dysphagia"[TW] OR "Oropharyngeal Dysphagia"[TW] OR "Dysphagia, Oropharyngeal"[TW] OR "aphagopraxia"[TW] OR "deglutition difficulty"[TW] OR "deglutition disorder"[TW] OR "deglutition disorders"[TW] OR "difficult deglutition"[TW] OR "difficulty in swallowing"[TW] OR "difficulty swallowing"[TW] OR "dysphagias"[TW] OR "swallowing difficult"[TW] OR "swallowing difficultness"[TW] OR "swallowing difficulty"[TW] OR "swallowing disorder"[TW] OR "swallow impairment"[TW] OR "swallowing problem"[TW] OR "Swallowing Disturbance"[TW] OR "impaired swallowing"[TW])) OR (("Deglutition"[Mesh]) OR ("Deglutition"[TW] OR "Deglutitions"[TW] OR "Swallowing"[TW] OR "Swallowings"[TW] OR "oropharyngeal swallow"[TW] OR "reflex, deglutition"[TW] OR "swallow (deglutition)"[TW] OR "swallow (ingestion)"[TW] OR "swallow function"[TW] OR "swallow reflex"[TW] OR "swallowing reflex"[TW])))) AND ((("Patient Care Team"[Mesh]) OR ("Patient Care Team"[TW] OR "Care Team, Patient"[TW] OR "Care Teams, Patient"[TW] OR "Patient Care Teams"[TW] OR "Team, Patient Care"[TW] OR "Teams, Patient Care"[TW] OR "Medical Care Team"[TW] OR "Care Team, Medical"[TW] OR "Care Teams, Medical"[TW] OR "Medical Care Teams"[TW] OR "Team, Medical Care"[TW] OR "Teams, Medical Care"[TW] OR "Interdisciplinary Health Team"[TW] OR "Health Team, Interdisciplinary"[TW] OR "Health Teams, Interdisciplinary"[TW] OR "Interdisciplinary Health Teams"[TW] OR "Team, Interdisciplinary Health"[TW] OR "Teams, Interdisciplinary Health"[TW] OR "Healthcare Team"[TW] OR "Healthcare Teams"[TW] OR "Team, Healthcare"[TW] OR "Teams, Healthcare"[TW] OR "Health Care Team"[TW] OR "Care Team, Health"[TW] OR "Care Teams, Health"[TW] OR "Health Care Teams"[TW] OR "Team, Health Care"[TW] OR "Teams, Health Care"[TW] OR "multidisciplinary team"[TW] OR "multi-disciplinary team"[TW] OR "Multidisciplinary"[TW] OR "integral"[TW] OR "comprehensive"[TW] OR "teamwork"[TW] OR "interprofessional"[TW])))	2,581
----	--	-------

2) Embase (Elsevier)

No.	Search Strategies	Search Results
#1	"dysphagia"/exp	79,814
#2	"Deglutition Disorders":ti,ab,kw,de OR "Deglutition Disorder":ti,ab,kw,de OR "Disorders, Deglutition":ti,ab,kw,de OR "Swallowing Disorders":ti,ab,kw,de OR "Swallowing Disorder":ti,ab,kw,de OR "Dysphagia":ti,ab,kw,de OR "Oropharyngeal Dysphagia":ti,ab,kw,de OR "Dysphagia, Oropharyngeal":ti,ab,kw,de OR "aphagopraxia":ti,ab,kw,de OR "deglutition difficulty":ti,ab,kw,de OR "deglutition disorder":ti,ab,kw,de OR "deglutition disorders":ti,ab,kw,de OR "difficult deglutition":ti,ab,kw,de OR "difficulty in swallowing":ti,ab,kw,de OR "difficulty swallowing":ti,ab,kw,de OR "dysphagias":ti,ab,kw,de OR "swallowing difficult":ti,ab,kw,de OR "swallowing difficultness":ti,ab,kw,de OR "swallowing difficulty":ti,ab,kw,de OR "swallowing disorder":ti,ab,kw,de OR "swallow impairment":ti,ab,kw,de OR "swallowing problem":ti,ab,kw,de OR "Swallowing Disturbance":ti,ab,kw,de OR "impaired swallowing":ti,ab,kw,de	87,906
#3	"swallowing"/exp	23,714
#4	"Deglutition":ti,ab,kw,de OR "Deglutitions":ti,ab,kw,de OR "Swallowing":ti,ab,kw,de OR "Swallowings":ti,ab,kw,de OR "oropharyngeal swallow":ti,ab,kw,de OR "reflex, deglutition":ti,ab,kw,de OR "swallow (deglutition)":ti,ab,kw,de OR "swallow (ingestion)":ti,ab,kw,de OR "swallow function":ti,ab,kw,de OR "swallow reflex":ti,ab,kw,de OR "swallowing reflex":ti,ab,kw,de	43,195
#5	#1 OR #2 OR #3 OR #4	113,000
#6	"multidisciplinary team"/exp	12,070
#7	"Patient Care Team":ti,ab,kw,de OR "Care Team, Patient":ti,ab,kw,de OR "Care Teams, Patient":ti,ab,kw,de OR "Patient Care Teams":ti,ab,kw,de OR "Team, Patient Care":ti,ab,kw,de OR "Teams, Patient Care":ti,ab,kw,de OR "Medical Care Team":ti,ab,kw,de OR "Care Team, Medical":ti,ab,kw,de OR "Care Teams, Medical":ti,ab,kw,de OR "Medical Care Teams":ti,ab,kw,de OR "Team, Medical Care":ti,ab,kw,de OR "Teams, Medical Care":ti,ab,kw,de OR "Interdisciplinary Health Team":ti,ab,kw,de OR "Health Team, Interdisciplinary":ti,ab,kw,de OR "Health Teams, Interdisciplinary":ti,ab,kw,de OR "Interdisciplinary Health Teams":ti,ab,kw,de OR "Team, Interdisciplinary Health":ti,ab,kw,de OR "Teams, Interdisciplinary Health":ti,ab,kw,de OR "Healthcare Team":ti,ab,kw,de OR "Healthcare Teams":ti,ab,kw,de OR "Team, Healthcare":ti,ab,kw,de OR "Teams, Healthcare":ti,ab,kw,de OR "Health Care Team":ti,ab,kw,de OR "Care Team, Health":ti,ab,kw,de OR "Care Teams, Health":ti,ab,kw,de OR "Health Care Teams":ti,ab,kw,de OR "Team, Health Care":ti,ab,kw,de OR "Teams, Health Care":ti,ab,kw,de OR "multidisciplinary team":ti,ab,kw,de OR "multi-disciplinary team":ti,ab,kw,de OR "Multidisciplinary":ti,ab,kw,de OR "integral":ti,ab,kw,de OR "comprehensive":ti,ab,kw,de OR "teamwork":ti,ab,kw,de OR "interprofessional":ti,ab,kw,de	716,480
#8	#6 OR #7	717,309

#9 #5 AND #8 4,660

3) Cochrane Library

No.	Search Strategies	Search Results
#1	[mh "Deglutition Disorders"]	2,920
#2	"Deglutition Disorders":ti,ab,kw OR "Deglutition Disorder":ti,ab,kw OR "Disorders, Deglutition":ti,ab,kw OR "Swallowing Disorders":ti,ab,kw OR "Swallowing Disorder":ti,ab,kw OR "Dysphagia":ti,ab,kw OR "Oropharyngeal Dysphagia":ti,ab,kw OR "Dysphagia, Oropharyngeal":ti,ab,kw OR "aphagopraxia":ti,ab,kw OR "deglutition difficulty":ti,ab,kw OR "deglutition disorder":ti,ab,kw OR "deglutition disorders":ti,ab,kw OR "difficult deglutition":ti,ab,kw OR "difficulty in swallowing":ti,ab,kw OR "difficulty swallowing":ti,ab,kw OR "dysphagias":ti,ab,kw OR "swallowing difficult":ti,ab,kw OR "swallowing difficultmess":ti,ab,kw OR "swallowing difficulty":ti,ab,kw OR "swallowing disorder":ti,ab,kw OR "swallow impairment":ti,ab,kw OR "swallowing problem":ti,ab,kw OR "Swallowing Disturbance":ti,ab,kw OR "impaired swallowing":ti,ab,kw	4,847
#3	[mh "Deglutition"]	411
#4	"Deglutition":ti,ab,kw OR "Deglutitions":ti,ab,kw OR "Swallowing":ti,ab,kw OR "Swallowings":ti,ab,kw OR "oropharyngeal swallow":ti,ab,kw OR "reflex, deglutition":ti,ab,kw OR "swallow (deglutition)":ti,ab,kw OR "swallow (ingestion)":ti,ab,kw OR "swallow function":ti,ab,kw OR "swallow reflex":ti,ab,kw OR "swallowing reflex":ti,ab,kw	4,049
#5	{OR #1-#4}	8,578
#6	[mh "Patient Care Team"]	1,737
#7	"Patient Care Team":ti,ab,kw OR "Care Team, Patient":ti,ab,kw OR "Care Teams, Patient":ti,ab,kw OR "Patient Care Teams":ti,ab,kw OR "Team, Patient Care":ti,ab,kw OR "Teams, Patient Care":ti,ab,kw OR "Medical Care Team":ti,ab,kw OR "Care Team, Medical":ti,ab,kw OR "Care Teams, Medical":ti,ab,kw OR "Medical Care Teams":ti,ab,kw OR "Team, Medical Care":ti,ab,kw OR "Teams, Medical Care":ti,ab,kw OR "Interdisciplinary Health Team":ti,ab,kw OR "Health Team, Interdisciplinary":ti,ab,kw OR "Health Teams, Interdisciplinary":ti,ab,kw OR "Teams, Interdisciplinary Health Teams":ti,ab,kw OR "Team, Interdisciplinary Health":ti,ab,kw OR "Teams, Interdisciplinary Health":ti,ab,kw OR "Healthcare Team":ti,ab,kw OR "Healthcare Teams":ti,ab,kw OR "Team, Healthcare":ti,ab,kw OR "Teams, Healthcare":ti,ab,kw OR "Health Care Team":ti,ab,kw OR "Care Team, Health":ti,ab,kw OR "Care Teams, Health":ti,ab,kw OR "Health Care Teams":ti,ab,kw OR "Team, Health Care":ti,ab,kw OR "Teams, Health Care":ti,ab,kw OR "multidisciplinary team":ti,ab,kw OR "multi-disciplinary team":ti,ab,kw OR "Multidisciplinary":ti,ab,kw OR "integral":ti,ab,kw OR "comprehensive":ti,ab,kw OR "teamwork":ti,ab,kw OR "interprofessional":ti,ab,kw	27,617
#8	#6 OR #7	27,641
#9	#5 AND #8	185

4) Kmbase

No.	Search Strategies	Search Results
#1	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (((([ALL=Patient Care Team] OR [ALL=Patient Care Teams]) OR [ALL=multidisciplinary team]) OR [ALL=multidisciplinary teams]) OR [ALL=Multidisciplinary]) OR [ALL=integral]) OR [ALL=comprehensive]) OR [ALL=teamwork]) OR [ALL=interprofessional]))	53
#2	((([ALL=Deglutition Disorder] OR [ALL=Dysphagia]) OR [ALL=Deglutition]) OR [ALL=Swallowing]) AND (([ALL=다학제팀] OR [ALL=다학제]) OR [ALL=팀워크]))	0
#3	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (((([ALL=Patient Care Team] OR [ALL=Patient Care Teams]) OR [ALL=multidisciplinary team]) OR [ALL=multidisciplinary teams]) OR [ALL=Multidisciplinary]) OR [ALL=integral]) OR [ALL=comprehensive]) OR [ALL=teamwork]) OR [ALL=interprofessional]))	21
#4	((([ALL=구인두 연하장애] OR [ALL=연하장애]) OR [ALL=삼킴장애]) OR [ALL=연하곤란]) OR [ALL=삼킴곤란]) OR [ALL=연하]) OR [ALL=삼킴]) AND (([ALL=다학제팀] OR [ALL=다학제]) OR [ALL=팀워크]))	1
#5	#1부터 #4까지의 Search Results 단순합계	75