Supplementary Table 1. Research algorithm for each database

Database	Research algorithm
PubMed	#1 Search: microsurgery[MeSH Terms] OR microscopy[MeSH Terms] OR laryngoscopy[MeSH Terms]
	#2 Search: laryngoscop*[Title/Abstract] OR laryngoscopic surgical procedure*[Title/Abstract] OR surgery laryngoscopic[Title/Abstract] OR laryngoscopic surger*[Title/Abstract] OR microlaryngoscopy[Title/Abstract] OR suspension laryngoscop*[Title/Abstract]
	#3 #1 OR #2
	#4 Search: predic*[Title/Abstract] OR factor[Title/Abstract] OR preoperative*[Title/Abstract]
	#5 Search: laryngeal exposure[Title/Abstract] OR difficult laryngoscopy[Title/Abstract]
	#6 #3 AND #4 AND #5
Embase	#1 'suspension laryngoscopy'/exp OR 'microsurgery'/exp OR 'microscopy'/exp OR 'laryngoscopy'/exp OR 'microlaryngoscopy'/exp
	#2 'laryngoscopic surgical procedure':ab,ti OR 'surgery laryngoscopic':ab,ti OR 'laryngoscopic surger*':ab,ti
	#3 #1 OR #2
	#4 factor*:ab,ti OR predict*:ab,ti OR preoperative*:ab,ti
	#5 'laryngeal exposure':ab,ti OR 'difficult laryngoscopy':ab,ti
	#6 #3 AND #4 AND #5
Web of Science	#1 TS=(microsurgery OR microscopy OR laryngoscopy)
	#2 (TS=(microsurgery OR microscopy OR laryngoscopy)) AND TS=(laryngoscop* OR laryngoscopic surgical procedure* OR surgery laryngoscopic OR laryngoscopic surger* OR microlaryngoscopy OR suspension laryngoscop*)
	#3 #1 OR #2
	#4 TS=(predic*OR factor OR preoperative*)
	#5 TS=(laryngeal exposure OR difficult laryngoscopy)
	#6 #3 AND #4 AND #5
Wanfang	SUB: ((suspension microlaryngoscopy) or SUB:(suspension laryngoscopy) or SUB:(microlaryngoscopic surgery)) and SUB: ((exposure) or (difficult laryngoscopy)) and (SUB:(predict) or SUB:(relate) or(influence))
CNKI	TKA=('microlaryngoscopic surgery'+'suspension laryngoscopy'+'laryngeal exposure') AND TKA='predict'+'relate'+'influence' AND TKA='exposure'+'difficult laryngocopy'